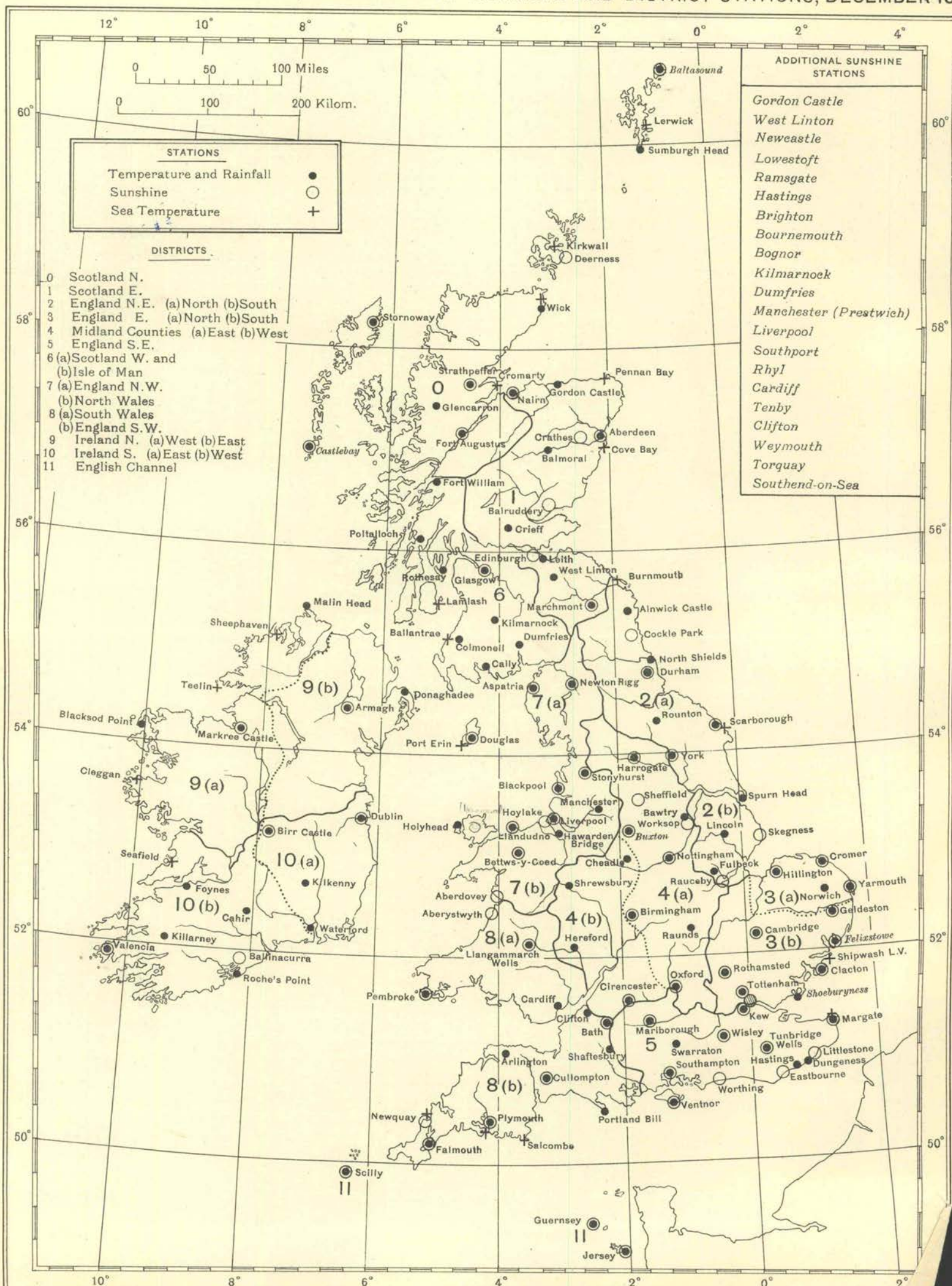


W-1910

WEEKLY WEATHER REPORT, MAP SHOWING DISTRICTS AND DISTRICT STATIONS, DECEMBER 1910.

(To face title.)



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THE
WEEKLY WEATHER REPORT

OF THE
METEOROLOGICAL OFFICE

FOR THE YEAR

1910

(VOL. XXVII.—NEW SERIES)

CONTAINING

SYNOPTIC CHARTS,

AND

DESCRIPTIVE SUMMARIES OF THE WEATHER FOR EACH DAY;

ALSO

TABULAR SUMMARIES OF TEMPERATURE, RAINFALL, AND
BRIGHT SUNSHINE, FOR EACH WEEK,

WITH THREE APPENDICES AND FRONTISPIECE MAP

AND FORMING

PART I. OF THE BRITISH METEOROLOGICAL YEAR BOOK.

Published by the Authority of the Meteorological Committee.



LONDON:
PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE.
To be purchased, either directly or through any Bookseller, from
WYMAN & SONS, LIMITED, FETTER LANE, E.C.; or
OLIVER AND BOYD, TWEEDDALE COURT, EDINBURGH; or
E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

PRINTED BY
DARLING AND SON, LIMITED, BACON STREET, E.
1911.

CONTENTS.

THE WEEKLY WEATHER REPORT.

	PAGE
FRONTISPIECE MAP SHOWING THE POSITIONS OF STATIONS INCLUDED IN THE WEEKLY WEATHER REPORT - - - - -	to face Title.
PREFACE - - - - -	3
WEEKLY REPORTS - - - - -	9
APPENDICES :	
I.—Summaries of the rain-days, rainfall, mean temperature, and bright sunshine for each year of the period 1878-1910, for each quarter and for the whole year.	425
II.—Weekly and Progressive Values for each <i>District</i> for 1910 of the different elements, namely :—	435
Rain-Days,	
Rainfall,	
Accumulated Temperature above 42° F.,	
Accumulated Temperature below 42° F.,	
Bright Sunshine—Duration,	
Bright Sunshine—Percentage.	
III.—Readings of Anemometers amounting to or exceeding a velocity of 44 statute miles per hour.	441

THE MONTHLY WEATHER REPORT.

Issued as a Supplement to the Weekly Weather Report and forming Part II. of the British
Meteorological Year Book.

FRONTISPIECE MAP SHOWING THE POSITIONS OF STATIONS INCLUDED IN THE
MONTHLY WEATHER REPORT.

INTRODUCTION WITH SUB-TITLE PAGE, LIST OF STATIONS AND NAMES OF
VOLUNTARY OBSERVERS.

MONTHLY WEATHER REPORTS.

ANNUAL SUMMARY.

WEEKLY WEATHER REPORT, 1910.

ADDITIONAL CONTENTS.

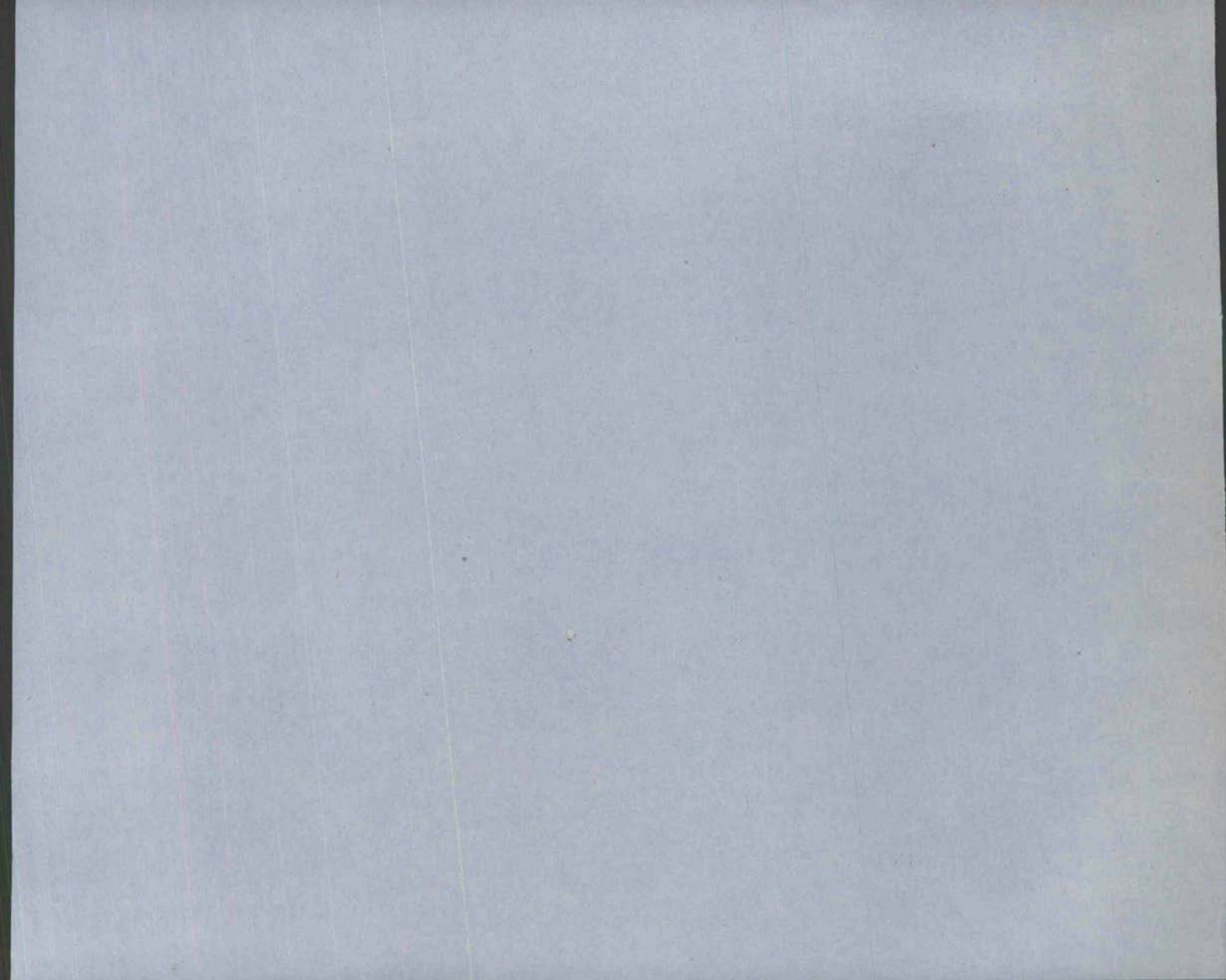
SPECIAL SUPPLEMENTS :

Results of Registering Balloon Ascents, March 18-19, 1910, pp. 96 A, B.

” ” ” ” August 8-13, 1910, pp. 264 A, B.

” ” ” ” received too late for insertion
in the current issues, p. 424 A.

Summary of Results obtained with Kites and
Registering Balloons, pp. 424 B, C, D.



PREFACE.

No change was made in the arrangement of the Weekly Weather Report for the year 1910.

The general arrangement of the weekly issues of the Report is as follows :—

- I. General Remarks and characterisation of the warmth, rainfall, and sunshine of each district.
- II. Weekly, Seasonal, and Annual Summaries, arranged under *Districts*.
- III. Weekly Summary arranged under *Stations*.
- IV. Temperature on the Grass and in the Ground.
- V. Temperature of the Sea.
- VI. Daily Charts.
- VII. Observations in the Upper Air.

The information given under each of these heads may be summarised as follows :—

I. *General Remarks* on the weather for the week. A tabular statement describing the warmth, rainfall and sunshine experienced in each district in accordance with the following definitions :—

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The meteorological character of the current season and of the last four completed seasons is summarised in a table giving for each season the number of occasions on which the warmth, rainfall and sunshine fell within each of the three main divisions.

II. *Weekly Summary for Districts.*—The Tabular Summary on the second page of each Report gives for the week and for each District :—

Temperature.—The highest and lowest observed, with the dates of their occurrence, the mean maximum, the mean minimum, the mean temperature, and its difference from the average for the corresponding period. The values for "accumulated temperature" above 42° F. and below 42° F. for the week and for the periods from the beginning of the season and of the year, and the differences from the average values for the corresponding periods. The averages* are derived from observations extending over the 25 years 1881–1905.

Rainfall.—The total fall and the number of rain-days for the week, and for the part of the season and year to date, together with the differences from average* for the corresponding periods based on observations from 1881–1905.

Bright Sunshine.—The number of hours of sunshine recorded, and the percentage ratio of that time to the whole time during which the sun was above the horizon: also the progressive values reckoned from the commencement of the season and of the year, together with the differences between these values and the averages* for the corresponding periods in the 25 years 1881 to 1905.

III. *Weekly Summary for Stations.*—This appears on the third page in each weekly issue and contains the data used in the preparation of the Summaries on the first page, the values being set out for each Station. The information given is in nearly the same form as that presented for each District in II., but cumulative values for the season and the year are not given for stations. Values not used for the calculation of summaries for districts are printed in italic type.

IV. *Temperature on the Grass and in the Ground.*—For selected stations the number of occasions during the week on which the temperature on the grass fell to 30° or below this limit, and the minimum temperature; the mean temperature in the ground at depths of 1 foot and 4 feet. This table was first added in the 18th week of 1906.

* For particulars of the method of computing average values for districts, see Preface to the Weekly Weather Report for 1907.

V. The mean temperature of the surface of the sea, and the highest and lowest readings at a selection of stations on the coast of the British Islands. This table has been included since the commencement of 1907.

VI. *Daily Charts*.—These are three in number for each day, and they show the distribution of pressure and wind over the whole of Europe at 7 a.m. and 6 p.m., and the temperature, weather, and sea disturbance at 7 a.m. each day. The maps are accompanied by a brief account of the weather conditions for the day, and the changes that have taken place since the previous day.

VII. *Observations in the Upper Air*.—The temperature, humidity, and wind direction and velocity at various heights in the free atmosphere, as determined from experiments with kites or balloons, have been given since the commencement of 1906.

The results of kite ascents are shown on the last page of each issue of the report. Results obtained from experiments with registering balloons or pilot balloons are shown on the fourth page.

The observing stations which contribute regularly to the report are the following :—

Pyrtton Hill, Oxon, W. H. Dines, F.R.S., for the Office.

Petersfield, Ditcham Park, C. J. P. Cave, J.P.

Brighton, S. H. R. Salmon.

Manchester, The University.

From the commencement of 1909, the results of observations in the upper air have been stated in metric units.

In order to avoid negative values, the temperatures are given in Centigrade degrees from the "absolute zero" or, more strictly speaking, from 273° below the freezing point of water; and in recording the air pressure for different points of the ascents the unit of one megadyne per square centimetre or one million absolute C.G.S. centimetre-gramme-second units of pressure is employed because the megadyne represents practically the normal surface pressure at the level of the observing stations and consequently the pressure figures in megadynes per square centimetre (mgd.) give the fraction of pressure of the atmosphere which is still above the instrument. Thus an entry in the pressure column of 0.527 mgd. means that the instrument was at a point where the atmospheric pressure was reduced approximately to .527 of the surface value. It is noteworthy that the conversion from mm. of mercury (in latitude 45°) to mgd. can be carried out with an accuracy of 0.1 mm. by adding one third and moving the decimal point and that a megadyne exceeds the weight of a kilogramme by less than 2 per cent.

The units adopted for the various elements are as follows :—

Altitude, Metres (m.) or Kilometres (km.).

Wind Direction, Angular measure from North through East.

Wind Velocity, Metres per second (mps.).

Temperature, the absolute scale of centigrade degrees (Freezing point of water= 273° A., Normal Boiling point of water= 373° A.).

Pressure, Megadynes per square centimetre (mgd.) or bars.

In expressing the results of temperature measurements, the figure in the "hundreds" place is omitted, thus freezing points= 32° F.= 0° C.= 273° A.

Tables for converting from British Units to the metric or absolute units are given below (pp. 6, 7).

STATIONS AND DISTRICTS.

The stations used in the preparation of the Report are shown in the Frontispiece Map. Particulars of their altitudes &c. will be found in the introduction to the Monthly Weather Report. Observations from *Laudale* are no longer available, and no similar station has been found as a substitute. This implies a discontinuity in the district values for District No. 6 especially with regard to rainfall.

The boundaries of the 12 districts into which the British Islands are divided are shown on the map. Their subdivisions are also shown.

DAILY MEAN TEMPERATURE.

The daily Mean Temperature shown in the Tables in the *Weekly* Reports is calculated from the mean between the daily maxima and minima, due regard being paid to the varying relation found to subsist, from month to month, between the true mean temperature of the day derived from 24 hourly observations, and the means of the daily maxima and minima for a series of years, as recorded at Greenwich and at the self-registering Observatories of the Meteorological Committee.

The approximate Mean Temperature for any week is found by multiplying the *difference* between the means of the seven observed maxima and minima by the proper coefficient for the month (shown in the following Table), and adding the product to the mean of the minima :—

Months.	Coefficient.
January. December.	0.520
February. November.	0.500
March. October.	0.485
April. September.	0.470
May. August.	0.470
June. July.	0.465

Example :

The mean maximum temperature for a week in December being - - 48° 1

The mean minimum - - - - - 39° 3

The difference is - - - - - 8° 8

This difference $8.8 \times .520$ (the coefficient for December) = 4.6.

This value when added to the mean minimum (39.3) gives 43° 9, the required mean temperature of the week.

ACCUMULATED TEMPERATURE.

The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or *base temperature*. For *Districts*, cumulative values for the whole period since the commencement of the season and the year are published in addition to the values for each week. The base temperature adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The Accumulated Temperature is expressed in "Day-degrees,"—a Day-degree signifying 1° F. of excess or defect of temperature above or below 42° F. continued for 24 hours, or any other number of degrees for an inversely proportional number of hours.

When the temperature during any period remains either wholly above or below the base temperature, the difference between the base and the mean temperature of the day gives the correct accumulated temperature. In other cases this difference gives only an approximate value for the accumulated temperature, not departing greatly from the truth—the deviation depending on the greater or less extent of the variations of the temperature above or below the base. Further, since the mean between the maximum and minimum of any day is nearly equal to the mean temperature of the day, the difference of the mean of the maximum and minimum from the base will also give, directly, an approximation to the accumulated temperature for the day.

The following rules, however, supply a still closer approximation to the true values sought, and they have been adopted for the preparation of the Tables in this Report. They may be applied to any other base temperature as well as to 42° F., with the slight modification of the numerical coefficients mentioned below.

RULES for computing, for a WEEKLY PERIOD, from the observed MAXIMA and MINIMA, the ACCUMULATED TEMPERATURE above or below 42° F.

1. Obtain the mean temperature, from the means of the seven observed maxima and minima, in the manner already described for daily values.
2. In obtaining the accumulated temperature four cases may occur, to which the following rules will apply:—

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is above 42° F. or equal to 42° F. -	Subtract 42° F. from the mean.	There is none.
If the minimum is below 42° F., but the mean for the day is above 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the coefficient 0.4.
If the mean for the day is below 42° F., but the maximum is above 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the coefficient 0.4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is below 42° F. or equal to 42° F. -	There is none.	Subtract the mean from 42° F.

In each of the above cases the result will be the *average daily* value, and must be multiplied by 7 in order to obtain the value for the whole week.

The coefficient varies with the duration of the period, and also with the base temperature.

The coefficient given above, in cases 2 and 3, is for a weekly period, and for the base temperature 42° F. The following are its values for other base temperatures,—for 32° F., 0.4; for 52° F., 0.33; for 62° F., 0.25.

A full explanation of the principles on which these rules are based will be found in Appendix II. to the Quarterly Weather Report for 1878.

DAILY CHARTS.

In the two right-hand Charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying *with the wind*, the force is indicated thus: $\ggg$ = a heavy gale (forces 10—12, Beaufort scale); $\gg$ = a gale (forces 8 and 9); $\rightarrow$ = a moderate breeze to high wind (forces 4 to 7); $\longrightarrow$ = a

light air to gentle breeze (forces 1—3); and $\odot$ = a calm. In the left-hand Chart the weather is indicated as follows:—b=blue sky; c=detached clouds; o=overcast; m=misty (hazy); f=foggy; q=squally; r=rain; h=hail; s=snow; l=lightning, and t=thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The Charts for the morning are prepared from observations made at 8 a.m. in Spain; at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway, and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; and at 8.36 a.m. in Portugal.

The Chart for the evening is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 p.m. in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway, and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich time.

CONVERSION TABLES FOR EXPRESSING THE RESULTS OF OBSERVATIONS IN THE UPPER AIR IN ABSOLUTE UNITS.

A.—ALTITUDE SCALES.

CONVERSION OF ENGLISH FEET TO METRES.

English Feet.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
	METRES.									
0	0	0.3	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7
10	3.1	3.4	3.7	4.0	4.3	4.6	4.9	5.2	5.5	5.8
20	6.1	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8
30	9.1	9.5	9.8	10.1	10.4	10.7	11.0	11.3	11.6	11.9
40	12.2	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.6	14.9
50	15.2	15.5	15.9	16.2	16.5	16.8	17.1	17.4	17.7	18.0
60	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.7	21.0
70	21.3	21.6	21.9	22.3	22.6	22.9	23.2	23.5	23.8	24.1
80	24.4	24.7	25.0	25.3	25.6	25.9	26.2	26.5	26.8	27.1
90	27.4	27.7	28.0	28.4	28.7	29.0	29.3	29.6	29.9	30.2
100	30.5	30.8	31.1	31.4	31.7	32.0	32.3	32.6	32.9	33.2

CONVERSION OF KILOMETRES INTO ENGLISH FEET
UP TO 25 KMS.

Kms.	1,000 Feet.	Kms.	1,000 Feet.	Kms.	1,000 Feet.	Kms.	1,000 Feet.	Kms.	1,000 Feet.
0.5	1.6	5.5	18.0	10.5	34.4	15.5	50.9	20.5	67.3
1.0	3.3	6.0	19.7	11.0	36.1	16.0	52.5	21.0	68.9
1.5	4.9	6.5	21.3	11.5	37.7	16.5	54.1	21.5	70.5
2.0	6.6	7.0	23.0	12.0	39.4	17.0	55.8	22.0	72.2
2.5	8.2	7.5	24.6	12.5	41.0	17.5	57.4	22.5	73.8
3.0	9.8	8.0	26.2	13.0	42.7	18.0	59.1	23.0	75.5
3.5	11.5	8.5	27.9	13.5	44.3	18.5	60.7	23.5	77.1
4.0	13.1	9.0	29.5	14.0	45.9	19.0	62.3	24.0	78.7
4.5	14.8	9.5	31.2	14.5	47.6	19.5	64.0	24.5	80.4
5.0	16.4	10.0	32.8	15.0	49.2	20.0	65.6	25.0	82.0

1 Kilometre = 1,000 metres.
The above table may be used also for converting heights expressed in English Feet into Kilometres by suitably adjusting the decimal point, e.g., 45,000 ft. = 13.7 kms.; 6,700 ft. = 2.04 kms.

B.—WIND MEASUREMENTS.

CONVERSION OF WIND DIRECTION INTO ANGULAR MEASURE.

Direction.	Angle.	Direction.	Angle.	Direction.	Angle.	Direction.	Angle.
N.	360	E.	90	S.	180	W.	270
N. by E.	11¼	E. by S.	101¼	S. by W.	191¼	W. by N.	281¼
N.N.E.	22½	E.S.E.	112½	S.S.W.	202½	W.N.W.	292½
N.E. by N.	33¾	S.E. by E.	123¾	S.W. by S.	213¾	N.W. by W.	303¾
N.E.	45	S.E.	135	S.W.	225	N.W.	315
N.E. by E.	56¼	S.E. by S.	146¼	S.W. by W.	236¼	N.W. by N.	326¼
E.N.E.	67½	S.S.E.	157½	W.S.W.	247½	N.N.W.	337½
E. by N.	78¾	S by E.	168¾	W. by S.	258¾	N. by W.	348¾

$\sin 11\frac{1}{4}^\circ = \cos 78\frac{3}{4}^\circ = .195$
 $\sin 22\frac{1}{2}^\circ = \cos 67\frac{1}{2}^\circ = .383$
 $\sin 33\frac{3}{4}^\circ = \cos 56\frac{1}{4}^\circ = .556$
 $\sin 45^\circ = \cos 45^\circ = .707$
 $\sin 56\frac{1}{4}^\circ = \cos 33\frac{3}{4}^\circ = .832$
 $\sin 67\frac{1}{2}^\circ = \cos 22\frac{1}{2}^\circ = .924$
 $\sin 78\frac{3}{4}^\circ = \cos 11\frac{1}{4}^\circ = .981$

CONVERSION OF WIND VELOCITY IN MILES PER HOUR INTO METRES PER SECOND.

Miles per Hour.	0.	1.	2.	3.	4.	5.	6.	7.	8.	9.
	METRES PER SECOND.									
0	0.00	0.5	0.9	1.3	1.8	2.2	2.7	3.1	3.6	4.0
10	4.5	4.9	5.4	5.8	6.3	6.7	7.2	7.6	8.1	8.5
20	8.9	9.4	9.8	10.3	10.7	11.2	11.6	12.1	12.5	13.0
30	13.4	13.9	14.3	14.8	15.2	15.7	16.1	16.5	17.0	17.4
40	17.9	18.3	18.8	19.2	19.7	20.1	20.6	21.0	21.5	21.9
50	22.4	22.8	23.3	23.7	24.1	24.6	25.0	25.5	26.0	26.4
60	26.8	27.3	27.7	28.2	28.6	29.1	29.5	30.0	30.4	30.9
70	31.3	31.7	32.2	32.6	33.1	33.5	34.0	34.4	34.9	35.3
80	35.8	36.2	36.7	37.1	37.6	38.0	38.4	38.9	39.3	39.8
90	40.2	40.7	41.1	41.6	42.0	42.5	42.9	43.4	43.8	44.3
100	44.7	45.2	45.6	46.0	46.5	46.9	47.4	47.8	48.3	48.7
110	49.2	49.6	50.1	50.5	51.0	51.4	51.9	52.3	52.8	53.2
120	53.6	54.1	54.5	55.0	55.4	55.9	56.3	56.8	57.2	57.7
130	58.1	58.6	59.1	59.5	59.9	60.4	60.8	61.2	61.7	62.1
140	62.5	63.0	63.5	63.9	64.4	64.8	65.3	65.7	66.2	66.6

C.—TEMPERATURE MEASUREMENTS.

Conversion of Degrees Centigrade and Fahrenheit into Degrees Absolute. Freezing Point = 273°.

C.	A.	F.	C.	A.	F.	C.	A.	F.	C.	A.	F.
-73	[2]00	-99.4	-48	[2]25	-54.4	-23	[2]50	-9.4	+2	[2]75	+35.6
72	1	97.6	47	26	52.6	22	51	7.6	3	76	37.4
71	2	95.8	46	27	50.8	21	52	5.8	4	77	39.2
70	3	94.0	45	28	49.0	20	53	4.0	5	78	41.0
69	4	92.2	44	29	47.2	19	54	2.2	6	79	42.8
68	5	90.4	43	30	45.4	18	55	0.4	7	80	44.6
67	6	88.6	42	31	43.6	17	56	+ 1.4	8	81	46.4
66	7	86.8	41	32	41.8	16	57	3.2	9	82	48.2
65	8	85.0	40	33	40.0	15	58	5.0	10	83	50.0
64	9	83.2	39	34	38.2	14	59	6.8	11	84	51.8
63	10	81.4	38	35	36.4	13	60	8.6	12	85	53.6
62	11	79.6	37	36	34.6	12	61	10.4	13	86	55.4
61	12	77.8	36	37	32.8	11	62	12.2	14	87	57.2
60	13	76.0	35	38	31.0	10	63	14.0	15	88	59.0
59	14	74.2	34	39	29.2	9	64	15.8	16	89	60.8
58	15	72.4	33	40	27.4	8	65	17.6	17	90	62.6
57	16	70.6	32	41	25.6	7	66	19.4	18	91	64.4
56	17	68.8	31	42	23.8	6	67	21.2	19	92	66.2
55	18	67.0	30	43	22.0	5	68	23.0	20	93	68.0
54	19	65.2	29	44	20.2	4	69	24.8	21	94	69.8
53	20	63.4	28	45	18.4	3	70	26.6	22	95	71.6
52	21	61.6	27	46	16.6	2	71	28.4	23	96	73.4
51	22	59.8	26	47	14.8	-1	72	30.2	24	97	75.2
50	23	58.0	25	48	13.0	0	273	32	25	98	77.0
-49	[2]24	-56.2	-24	[2]49	-11.2	+1	[2]74	+33.8	+26	[2]99	+78.8

D.—PRESSURE MEASUREMENTS.

CONVERSION OF BAROMETRIC MEASURES IN MILLIMETRES AT 0° C. IN LATITUDE 45° TO MEGADYNES PER SQUARE CENTIMETRE.

Milli- metres.	0	10	20	30	40	50	60	70	80	90
	MEGADYNES PER SQUARE CENTIMETRE.									
100	.133	.146	.160	.173	.187	.200	.213	.227	.240	.253
200	.267	.280	.293	.307	.320	.333	.347	.360	.373	.387
300	.400	.413	.427	.440	.453	.467	.480	.493	.507	.520
400	.533	.547	.560	.573	.587	.600	.613	.627	.640	.653
500	.667	.680	.693	.707	.720	.733	.747	.760	.773	.787
600	.800	.813	.827	.840	.853	.867	.880	.893	.907	.920
700	.933	.947	.960	.973	.986	1.000	1.013	1.027	1.040	1.053
	Increments for changes by millimetre intervals.									
	1	2	3	4	5	6	7	8	9	
	1.3	2.7	4.0	5.3	6.7	8.0	9.3	10.7	12.0	

A pressure due to 10 mm. of Mercury at freezing point in latitude 45° is equal to 1.3332×10^4 dynes per square centimetre. The conversion from millimetres to megadynes per square centimetre may therefore be made in a very simple manner by taking $\frac{1}{1000}$ of the value in millimetres and adding it to the original value, the decimal point being suitably adjusted, thus:—

$$759.6 \text{ mms.} = \left(759.6 + \frac{759.6}{1000} \right) \frac{1}{1000} \text{ mgd.} \\ = 1.0128 \text{ mgd.}$$

CONVERSION OF PRESSURE MEASUREMENTS IN INCHES TO MEGADYNES PER SQUARE CENTIMETRE.

Inches.	mgd.	Inches.	mgd.	Inches.	mgd.	Inches.	mgd.	Inches.	mgd.	Inches.	mgd.
5.0	.169	10.0	.339	15.0	.508	20.0	.677	25.0	.847	30.0	1.016
5.5	.186	10.5	.356	15.5	.525	20.5	.694	25.5	.864	30.5	1.033
6.0	.203	11.0	.373	16.0	.542	21.0	.711	26.0	.881	31.0	1.050
6.5	.220	11.5	.389	16.5	.559	21.5	.728	26.5	.898	31.5	1.067
7.0	.237	12.0	.406	17.0	.576	22.0	.745	27.0	.914		
7.5	.254	12.5	.423	17.5	.593	22.5	.762	27.5	.931		
8.0	.271	13.0	.440	18.0	.610	23.0	.779	28.0	.948		
8.5	.288	13.5	.458	18.5	.627	23.5	.796	28.5	.965		
9.0	.305	14.0	.474	19.0	.644	24.0	.813	29.0	.982		
9.5	.322	14.5	.491	19.5	.660	24.5	.830	29.5	.999		

INCREMENTS FOR CHANGES BY TENTH INCH INTERVALS.

1.	2.	3.	4.
.003	.007	.010	.014

INCREMENTS FOR CHANGES BY HUNDREDTH INCH INTERVALS.

1.	2.	3.	4.	5.	6.	7.	8.	9.
.000	.001	.001	.001	.002	.002	.002	.003	.003

APPENDICES.

Appendix I. has been issued for each quarter of the year in the form adopted in the corresponding Appendix of 1909. It shows for each quarter and for the whole year (1) the number of rain-days, (2) the total rainfall and its percentage of the average, (3) the mean temperature and its difference from the average, (4) the duration of bright sunshine and its percentage of the average for each year of the period 1878 to 1910. The averages are computed in each case for the 25 years 1881-1905.

Appendix II., the resumé of weekly values for districts, has been published in the same form as in previous years.

Appendix III. gives a summary of the occasions on which wind velocities amounting to or exceeding 44 statute miles in the hour, as recorded by a "Dines" pressure tube anemometer or by a "Robinson" cup anemometer, with the factor adjusted to give the corresponding result, were recorded at any of the anemometer stations in connexion with the Office. Similar tables were published in Appendix III. to the Reports for 1907, 1908 and 1909, as special supplements to the Reports for 1905 and 1906, and in the Annual Reports of the Meteorological Council for the years 1902, 1903, 1904.

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Meteorological Office,
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ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 1.
Vol. XXVII. (New Series.)

FIRST WEEK, SUNDAY, JANUARY 2ND, TO SATURDAY, JANUARY 8TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—As a rule the conditions were very mild and dull, and also dry, rain seldom falling, except along the Atlantic seaboard and in the extreme north of Scotland. Fog and mist were very prevalent on various parts of the coast during the earlier half of the period. Thunder and lightning occurred in many parts of Scotland and at Markree Castle on Saturday. Aurora was seen at Gordon Castle and Crathes on Wednesday evening, and at the former station lightning was also observed.

Temperature was above the average. In Scotland East the excess was nearly 8°, in Scotland West 7°, and in Scotland North and Ireland North, about 6½°. The difference from the normal was large in nearly all other districts, but slight in the English Channel. The highest of the maxima occurred on the 2nd at almost every station, and ranged from 57° in several localities in the eastern half of Britain and 56° in Ireland South, to 53° in England South-West and to 52° in the English Channel. The lowest of the minima, which were recorded on rather irregular dates, mostly late in the week, ranged from 29° in Scotland East, England North-East, the Midland Counties, and England South-West, to 33° in Scotland North, England East, and over Ireland, and to 34° in the English Channel. The lowest grass readings reported were 19° at Crathes and Sheffield, 23° at Cambridge, 24° at Dublin, and 25° at West Linton.

Mean Temperature of the Sea.—On most parts of the coast the water was colder than during the corresponding week of last year, but in some localities it was warmer—nearly 4° at Margate, and 5° at Aberdeen. The means for the week ranged from about 48° on the south-west coasts of England and at Port Erin and Seafeld, to 43° or less along the east and north-east coasts of Britain generally, and to 41° at Berwick.

Rainfall was much less than the average in all districts except Scotland North, where there was a considerable excess. In England North-East, East South-East and the English Channel the fall was less than 0.1 in. At some stations in the west of Scotland more than an inch of rain was experienced on Saturday.

Bright Sunshine was below the average generally, but above it in Scotland North and East. The percentage of the possible duration ranged from 21 in Scotland East, 15 in Ireland South, and 13 in Scotland North to only 4 in England South-East and Scotland West. In the English Channel only Scilly registered a little sunshine.

Barometer and Wind.—While the greater part of the Kingdom was under the direct influence of a large anticyclone that generally lay over the Continent, but sometimes extended north-westward to England, the most northern and western districts were affected by cyclonic systems far to the north-westward or northward. The general current of wind was consequently between South-West and West. It was frequently fresh to strong on the most western and north-western coasts, and occasionally reached the force of a high wind in exposed places, while in Shetland on Monday it attained the force of a gale. Quite at the end of the period it was increasing very quickly from South or South-West in the west and north of these Islands.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 12.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			O. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Very unusual	Very unusual	Unusual	Moderate	Moderate	Moderate	Very unusual	Unusual	Moderate	Very unusual	Unusual	Deficient
	Rainfall ...	Very heavy	Light	Very light	Very light	Light	Light	Light	Light	Light	Light	Light	Very light
	Sunshine ...	Abundant	Abundant	Scanty	Scanty	Scanty	Very Scanty	Scanty	Moderate	Scanty	Scanty	Moderate	Nought

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 5 weeks from Dec. 5th, 1909.	Warmth ...	1 * 3	2 * 2	2 * 2	1 * 0	1 * 1	1 * 2	2 * 2	2 * 2	1 * 3	2 * 2	2 * 2	1 * 3
		2 * 1	2 * 2	2 * 1	3 * 1	3 * 1	2 * 2	2 * 2	3 * 1	2 * 2	1 * 3	1 * 3	0 * 3
	Sunshine ...	4 * 0	3 * 0	1 * 2	2 * 2	2 * 2	2 * 2	1 * 1	2 * 0	1 * 1	1 * 3	1 * 0	0 * 3

PAST SEASONS.

WINTER, 1908-9. Nov. 29th-Mar. 6th. 14 weeks.	Warmth ...	3 * 2	3 * 2	2 * 7	4 * 6	2 * 6	4 * 6	3 * 2	4 * 6	4 * 6	6 * 1	4 * 2	5 * 5
		2 * 6	3 * 5	1 * 6	3 * 7	3 * 7	4 * 8	4 * 3	2 * 6	4 * 8	3 * 4	3 * 6	5 * 8
	Sunshine ...	6 * 2	5 * 3	3 * 3	4 * 6	4 * 6	5 * 4	4 * 2	8 * 1	6 * 2	4 * 5	2 * 4	6 * 3
SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
		3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
		2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
		5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
		5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in *Day-degrees*—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

FIRST WEEK—January 2nd to January 8th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
0. SCOTLAND, NORTH	55	33	48·8	39·7	44·4	+ 0·6	Day-deg. 26	Day-deg. + 20	Day-deg. 6	Day-deg. - 31	5	0	Inches. 1·51	Inches. +0·42	6	+ 1	% 13	% + 2
Eastern																		
1. SCOTLAND, EAST	57	29	49·7	38·2	44·2	+ 7·8	31	+ 26	11	- 33	3	- 1	0·31	-0·29	10	+ 3	21	+ 6
2. ENGLAND, N.E.	56	29	46·0	38·7	42·5	+ 4·7	17	+ 11	9	- 28	2	- 2	0·09	-0·33	4	- 4	7	- 8
3. ENGLAND, EAST	57	33	45·3	37·9	41·8	+ 4·5	9	+ 1	18	- 24	3	- 1	0·05	-0·40	4	- 5	8	-10
4. MIDLAND COUNTIES	57	29	45·6	37·4	41·7	+ 4·5	10	+ 1	20	- 22	2	- 2	0·11	-0·44	3	- 5	6	- 9
5. ENGLAND, S.E.	57	32	45·9	39·5	42·9	+ 3·8	17	+ 5	7	- 25	3	- 1	0·07	-0·47	2	- 8	4	-14
Western																		
6. SCOTLAND, WEST	54	32	48·7	42·4	45·7	+ 7·0	26	+ 18	0	- 31	4	- 1	0·52	-0·57	2	- 5	4	- 9
7. ENGLAND, N.W.	55	32	46·8	39·7	43·4	+ 4·3	19	+ 9	6	- 24	3	- 1	0·35	-0·33	4	- 3	8	- 5
8. ENGLAND, S.W.	53	29	46·4	40·3	43·5	+ 2·5	18	+ 2	5	- 18	3	- 2	0·18	-0·73	3	- 7	6	-13
9. IRELAND, NORTH	54	33	49·9	43·2	46·7	+ 6·5	33	+ 21	0	- 25	3	- 2	0·39	-0·42	5	- 3	19	- 7
10. IRELAND, SOUTH	56	33	50·6	43·1	47·0	+ 5·0	35	+ 15	0	- 19	4	- 1	0·28	-0·77	8	- 2	15	- 4
11. ENGLISH CHANNEL	52	34	47·6	42·1	44·9	+ 0·4	20	- 6	0	- 9	3	- 2	0·08	-0·72	0	- 13	0	-23
THE SEASON (Winter).—Aggregates, &c., for the Period of 5 Weeks, December 5th, 1909 to January 8th, 1910.																		
0. SCOTLAND, NORTH	55	11	*	*	*	*	39	- 1	208	+ 49	27	+ 1	6·27	-0·12	31	+ 9	14	+ 4
Eastern																		
1. SCOTLAND, EAST	57	0	*	*	*	*	46	+ 11	211	+ 11	19	- 2	2·82	-0·42	52	+ 18	22	+ 8
2. ENGLAND, N.E.	56	10	*	*	*	*	46	+ 5	137	- 25	20	+ 2	3·14	+0·70	41	0	16	0
3. ENGLAND, EAST	57	18	*	*	*	*	40	- 7	130	- 55	22	+ 2	2·84	+0·65	51	+ 3	19	+ 1
4. MIDLAND COUNTIES	57	8	*	*	*	*	46	- 5	157	- 32	21	+ 2	3·38	+0·71	42	+ 1	16	+ 1
5. ENGLAND, S.E.	57	17	*	*	*	*	62	- 13	121	- 19	22	+ 2	3·14	+0·29	53	+ 3	20	+ 1
Western																		
6. SCOTLAND, WEST	55	12	*	*	*	*	57	+ 1	136	+ 9	20	- 4	5·66	-0·27	36	+ 3	15	+ 1
7. ENGLAND, N.W.	56	14	*	*	*	*	53	- 6	115	- 14	23	+ 2	4·94	+1·25	43	+ 8	17	+ 3
8. ENGLAND, S.W.	55	9	*	*	*	*	69	- 27	95	+ 2	23	0	4·77	-0·21	49	- 2	18	- 1
9. IRELAND, NORTH	57	12	*	*	*	*	81	+ 14	104	- 8	24	- 1	3·27	-0·97	38	- 5	15	- 2
10. IRELAND, SOUTH	56	8	*	*	*	*	92	- 19	94	+ 9	24	0	3·61	-1·56	51	- 2	19	- 1
11. ENGLISH CHANNEL	56	30	*	*	*	*	122	- 33	34	+ 6	25	0	2·75	-1·55	40	- 25	14	- 9
THE YEAR.—Aggregates, &c., for the Period of 1 Week, January 2nd to January 8th, 1910.																		
0. SCOTLAND, NORTH	55	33	*	*	*	*	26	+20	6	-31	5	0	1·51	+0·42	6	+ 1	13	+ 2
Eastern																		
1. SCOTLAND, EAST	57	29	*	*	*	*	31	+26	11	-33	3	- 1	0·31	-0·29	10	+ 3	21	+ 6
2. ENGLAND, N.E.	56	29	*	*	*	*	17	+11	9	-28	2	- 2	0·09	-0·33	4	- 4	7	- 8
3. ENGLAND, EAST	57	33	*	*	*	*	9	+ 1	18	-24	3	- 1	0·05	-0·40	4	- 5	8	-10
4. MIDLAND COUNTIES	57	29	*	*	*	*	10	+ 1	20	-22	2	- 2	0·11	-0·44	3	- 5	6	- 9
5. ENGLAND, S.E.	57	32	*	*	*	*	17	+ 5	7	-25	3	- 1	0·07	-0·47	2	- 8	4	-14
Western																		
6. SCOTLAND, WEST	54	32	*	*	*	*	26	+18	0	-31	4	- 1	0·52	-0·57	2	- 5	4	- 9
7. ENGLAND, N.W.	55	32	*	*	*	*	19	+ 9	6	-24	3	- 1	0·35	-0·33	4	- 3	8	- 5
8. ENGLAND, S.W.	53	29	*	*	*	*	18	+ 2	5	-18	3	- 2	0·18	-0·73	3	- 7	6	-13
9. IRELAND, NORTH	54	33	*	*	*	*	33	+21	0	-25	3	- 2	0·39	-0·42	5	- 3	10	- 7
10. IRELAND, SOUTH	56	33	*	*	*	*	35	+15	0	-19	4	- 1	0·28	-0·77	8	- 2	15	- 4
11. ENGLISH CHANNEL	52	34	*	*	*	*	20	- 6	0	- 9	3	- 2	0·08	-0·72	0	- 13	0	-23

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°.		Below 42°.
0. SCOTLAND, N.	a, Islands.	p Balta Sound	49	3rd, 6th	33	4th	47.4	40.5	44.1	—	21	Day	0.83	4.5	—	13	—	Balta Sound.	
		a Sumburn Head	49	2, 3, 5th	33	3rd	47.6	35.3	41.7	+ 2.1	16	29	0.79	13.3	+ 7.4	31	+ 17	Deerness.	
		a Stornoway	52	2nd	36	4th, 5th	49.6	42.0	46.0	+ 6.7	28	0	1.15	3.1	- 2.9	7	- 7	Stornoway.	
		a Castlebay, Barra Isd.	51	2nd	43	4th, 5th	45.3	45.3	47.4	+ 5.7	38	0	0.51	3.0	—	6	—	Castlebay.	
	b, Main-land.	a Wick	52	2nd, 3rd	35	7th, 8th	48.6	37.3	43.2	+ 4.8	28	13	0.13	—	0.47	—	—	Strathpeffer.	
		p Strathpeffer	55	3rd	34	7th	49.6	38.8	44.4	+ 7.3	30	9	0.58	5.5	- 1.5	12	- 3	Strathpeffer.	
1. SCOTLAND E.		p Glencarron	51	2nd, 7th	38	4th	48.9	40.8	45.0	+ 8.2	26	3	2.67	—	0.33	—	—	Fort Augustus.	
		p Fort Augustus	52	2nd	34	4th	49.0	41.4	45.4	+ 7.6	26	2	1.98	1.0	- 1.9	2	- 4	Fort Augustus.	
		p Fort William	50	2nd	40	4th, 8th	48.2	42.0	45.2	+ 5.7	22	0	3.25	—	1.07	—	—	Fort William.	
		p Gordon Castle	56	2nd	33	6th	51.4	37.8	44.9	+ 6.5	38	12	0.14	10.9	—	24	—	Gordon Castle.	
		a Nairn	55	2nd	36	7th, 8th	50.4	39.1	45.0	+ 7.6	33	8	0.25	14.6	—	32	—	Nairn.	
		a Aberdeen	57	2nd	30	7th	48.4	36.4	42.6	+ 4.8	28	16	0.12	11.5	+ 1.7	25	+ 4	Aberdeen.	
2. ENGLAND, N.E.		a Balmoral	56	2nd, 5th	29	4th, 7th	53.6	34.1	44.2	+ 9.7	49	22	0.46	16.0	—	34	—	Balmoral.	
		p Crieff	56	2nd	35	4th	48.7	39.6	44.3	+ 7.0	26	7	0.88	7.2	—	15	—	Crieff.	
		a Leith	57	2nd	38	5th	50.6	42.4	46.7	+ 7.4	33	0	0.18	—	0.21	3	- 6	Leith.	
		a West Linton	51	2nd	30	4th, 5th	46.0	36.0	41.2	+ 4.7	11	25	0.35	0.6	—	1	—	West Linton.	
		p Marchmont	55	2nd	37	4th, 7th	48.1	40.3	44.4	+ 7.7	24	5	0.10	6.0	- 2.9	12	- 6	Marchmont.	
		a Cockle Park	54	2nd	37	4th	48.5	40.6	44.7	+ 6.4	25	4	0.12	3.3	—	7	—	Cockle Park.	
3. ENGLAND, E.		a Shields	56	2nd	32	8th	47.9	39.6	43.9	+ 5.0	23	7	0.13	1.0	- 4.4	2	- 9	Shields.	
		p Durham	55	2nd	29	7th	47.6	39.4	43.7	+ 6.3	23	7	0.08	5.4	- 4.2	11	- 8	Durham.	
		p Rounton	51	2nd	32	7th	42.8	39.1	41.0	+ 3.5	2	11	0.15	—	0.25	—	—	Rounton.	
		p Scarborough	55	2nd, 3rd	34	7th, 8th	48.7	39.3	44.2	+ 5.3	27	8	0.04	3.0	—	6	—	Scarborough.	
		a York	55	2nd	33	7th, 8th	47.4	38.4	43.1	+ 4.9	23	10	0.01	1.6	- 4.6	3	- 9	York.	
		a Spurn Head	51	2nd	35	6th, 8th	44.0	38.0	41.1	+ 2.0	6	16	0.11	—	0.24	—	—	Spurn Head.	
4. MIDLAND COUNTIES.		a Lincoln	55	2nd	34	7th, 8th	44.6	36.5	40.7	+ 3.3	7	22	0.07	—	0.33	—	—	Lincoln.	
		a Fulbeck	50	2nd	34	7th	42.2	37.6	40.0	+ 2.7	1	16	0.07	—	0.33	—	—	Fulbeck.	
		p Cromer	54	2nd	34	8th	45.4	37.5	41.6	+ 4.3	10	19	0.05	6.7	—	13	—	Cromer.	
		p Hillington	53	2nd	34	4th, 8th	44.9	36.8	41.0	+ 3.7	8	21	0.09	—	0.39	5.0	- 5.0	Hillington.	
		a Yarmouth	52	2nd	33	2nd	45.6	37.7	41.8	+ 3.7	10	19	0.02	—	0.41	6.5	—	Yarmouth.	
		a Norwich	53	2nd	35	5, 6, 8th	44.8	37.1	41.1	+ 3.2	8	20	0.07	—	—	—	—	Norwich.	
5. ENGLAND, S.E.		p Geldeston	53	2nd, 4th	35	5th, 8th	46.2	37.6	42.1	+ 3.6	19	12	0.02	6.1	- 5.3	12	- 10	Geldeston.	
		p Cambridge	57	2nd	35	4th	45.2	37.8	41.7	+ 3.7	9	18	0.05	2.0	- 8.3	4	- 16	Cambridge.	
		a Felixstowe	49	2nd	35	2nd, 3rd	44.0	36.6	40.5	+ 1.6	6	22	0.05	—	—	—	—	Felixstowe.	
		a Clacton-on-Sea	49	2nd	34	2nd	44.0	37.6	40.9	+ 2.2	6	18	0.02	—	—	—	—	Clacton.	
		a Rothamsted	54	2nd	35	2, 6, 7, 8th	45.2	37.6	41.6	+ 3.8	9	19	0.07	2.3	- 8.0	4	- 15	Rothamsted.	
		a Shoeburyness	51	2nd	35	2nd	45.6	39.3	42.6	+ 3.6	16	8	0.03	6.6	—	12	—	Shoeburyness.	
6. LONDON.		p Tottenham	56	2nd	38	6th	46.7	41.1	44.0	+ 5.1	18	3	0.03	1.1	—	2	—	Tottenham.	
		a Harrogate	53	2nd	32	7th	46.2	38.5	42.5	+ 5.3	18	10	0.17	5.1	—	10	—	Harrogate.	
		a Bawtry	56	2nd	31	5th	46.0	37.3	41.8	+ 4.0	11	20	0.03	—	0.36	1.7	- 5.8	Bawtry.	
		p Buxton	52	2nd	29	7th	44.1	36.4	40.4	+ 4.7	6	22	0.21	—	0.92	8.3	—	Buxton.	
		a Nottingham	56	2nd	34	7th	46.1	37.4	41.9	+ 3.9	11	20	0.06	—	0.37	3.6	—	Nottingham.	
		p Birmingham, Edgbn	53	2nd	32	6th, 7th	44.5	37.5	41.1	+ 3.2	7	18	0.11	—	0.37	3.5	—	Birmingham.	
7. ENGLAND, S.W.		a Raunds	57	2nd	34	2nd	44.9	36.2	40.7	+ 3.2	8	23	0.05	—	—	—	—	Raunds.	
		a Oxford	53	2nd	35	7th	45.0	38.9	42.1	+ 3.2	14	9	0.07	—	0.35	2.2	- 8.0	Oxford.	
		a Cheadle	51	2nd	29	8th	43.9	35.2	39.7	+ 2.6	5	26	0.21	—	0.38	7.3	—	Cheadle.	
		p Shrewsbury	56	3rd	30	5th	47.7	37.6	42.3	+ 3.7	25	13	0.11	—	—	—	—	Shrewsbury.	
		a Hereford	57	2nd	35	4, 6, 7th	46.0	37.2	42.2	+ 3.7	22	13	0.15	—	0.35	—	—	Hereford.	
		a Cirencester	56	2nd	33	2nd	44.4	36.7	40.7	+ 2.8	7	21	0.13	—	0.43	2.2	- 8.0	Cirencester.	
8. ENGLAND, S.W.		a Bath	52	2nd	35	2nd	46.1	39.3	42.8	+ 3.0	17	8	0.08	—	0.50	1.2	- 2	Bath.	
		p Kew	56	2nd	38	6th, 7th	46.9	40.6	43.9	+ 4.7	19	4	0.02	—	0.37	1.6	- 7.3	Kew.	
		a Marlborough	51	2nd	34	6th	44.8	37.5	41.3	+ 3.5	8	19	0.12	—	0.48	0.5	- 8.2	Marlborough.	
		a Margate	52	2nd	34	8th	45.9	38.7	42.4	+ 2.7	17	9	0.01	—	0.40	4.0	- 6.5	Margate.	
		a Wisley, Surrey	57	2nd	36	2nd	46.5	39.6	43.2	+ 3.8	18	7	0.03	—	—	—	—	Wisley.	
		a Swarston	53	2nd	32	2nd	44.9	38.6	41.9	+ 3.0	8	15	0.10	—	0.50	0.1	—	Swarston.	
9. IRELAND, N.		a Tunbridge Wells	52	2nd	33	2nd	45.0	37.9	41.6	+ 3.5	8	18	0.10	—	0.50	0.7	- 9.3	Tunbridge Wells.	
		a Dungeness	49	2, 3, 4th	38	2nd	44.9	40.5	42.8	+ 2.7	12	4	0.07	—	0.49	1.7	- 11.4	Dungeness.	
		p Hastings	49	3rd	38	6th	47.0	40.6	43.9	+ 3.9	19	4	0.14	—	0.48	3.7	- 7.3	Hastings.	
		p Southampton	55	2nd	27	6th	47.0	40.6	43.9	+ 3.9	19	4	0.14	—	0.48	3.7	- 7.3	Southampton.	
		a Ventnor	53	2nd	39	6th, 7th	46.8	41.4	44.2	+ 1.7	18	2	0.04	—	0.55	2.6	- 9.0	Ventnor.	
		a Eastbourne	53	2nd	39	6th, 7th	46.8	41.4	44.2	+ 1.7	18	2	0.04	—	0.55	2.6	- 9.0	Eastbourne.	
10. IRELAND, S.		a Westminster	56	2nd	35	2nd	47.4	40.3	44.0	+ 4.8	21	5	0.03	—	0.36	0.1	- 3.4	Westminster.	
		a Greenwich	55	2nd	35	2nd	46.4	39.6	43.1	+ 3.2	18	7	0.04	—	0.35	1.4	- 6.9	Greenwich.	
		a Landale	53	2nd	32	4th	48.4	38.7	43.7	+ 4.1	26	9	0.70	—	0.44	—	—	Landale.	
		a Poltalloch	53	2nd	38	4th, 8th	48.7	42.0	45.5	+ 6.7	25	0	0.70	—	0.10	0.8	- 3.5	Poltalloch.	
		p Glasgow	52	2nd	37	4th	49.9	41.7	46.0	+ 6.1	29	1	0.63	—	0.41	—	—	Glasgow.	
		a Kilmarlock	54	2nd	37	4th	49.9	41.7	46.0	+ 6.1	29	1	0.63	—	0.41	—	—	Kilmarlock.	
11. ENGLISH CHANNEL.		a Colmonell	53	2nd	42	7th	49.1	43.9	46.6	+ 6.2	32	0	0.37	—	0.70	—	—	Colmonell.	
		p Dumfries	52	2nd	38	7th	47.6	43.0	45.4	+ 6.8	24	0	0.45	—	0.38	0.3	—	Dumfries.	
		p Cally, Gatehouse	51	7th	40	8th	49.2	43.6	46.5	+ 8.0	32	0	0.65	—	0.43	—	—	Cally, Gatehouse.	
		p Douglas	52	2nd	40	7													

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	40·6	—	Harrogate	0	31	41·3	41·5	6. Dumfries	0	37	42·1	40·6
1. Aberdeen	—	—	—	39·8	Huddersfield	2	27	40·8	41·8	Douglas	0	40	—	—
Crathes	3	19	36·6	37·4	Buxton	3	27	40·4	42·8	Aspatia	0	37	—	—
Balmoral	3	26	—	—	Sheffield	3	19	40·5	42·5	Newton Rigg	1	29	41·3	40·6
West Linton	1	25	—	—	Nottingham	1	19	40·5	41·2	Burnley	2	28	40·8	41·2
Marchmont	0	33	39·6	—	Birmingham	0	32	42·0	44·7	Southport	0	31	40·3	40·9
Cockle Park	1	28	41·7	40·6	Oxford	0	—	—	—	Manchester City	0	33	41·5	43·0
Durham	1	28	—	—	Hereford	5	26	—	—	Bettws-y-Coed	0	33	43·1	43·7
York	—	—	41·0	42·4	Cirencester	0	35	—	—	Llangammarch Wells	1	27	42·6	44·6
Hull	0	32	40·9	43·0	Bath	—	—	43·4	44·6	Cardiff	0	36	43·1	44·1
Lincoln	—	—	40·1	41·2	Margate	1	30	42·8	43·7	Clifton	0	37	—	—
Ransey	1	30	41·3	43·2	Greenwich	0	32	—	—	Plymouth	0	39	44·8	—
Norwich	2	29	—	—	Westminster	1	30	—	—	Armagh	0	38	43·8	44·1
Yarmouth	—	—	40·6	43·1	Kew	0	35	42·6	44·7	Markree	0	34	44·7	45·0
Lowestoft	0	34	40·9	42·8	Canterbury	0	32	42·3	43·0	Dublin, Trin. Coll.	3	24	43·9	44·7
Cambridge	3	23	41·0	43·2	Tunbridge Wells	0	31	41·6	—	Guernsey, Brooklyn	0	32	45·3	47·2
Clacton-on-Sea	1	29	42·2	44·9	Wisley	0	33	42·7	44·1					
Southend	0	32	42·4	—	Worthing	0	31	42·5	44·5					
Tottenham	0	37	—	—	Portsmouth	0	35	44·3	45·7					
					Glasgow	1	30	—	—					
					Rothsay	—	—	—	41·9					
					Colmonell	0	42	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	44	42	42·6	SCOTLAND, W.	Lamlash	46	46	46·0
	Kirkwall	43	41	42·2		Ballantrae	45	45	45·0
	Wick	44	44	44·0	ENGLAND, N.W.	Port Erin	48	47	47·7
SCOTLAND, E.	Cromarty	44	40	42·4		Newquay	48	48	48·0
	Pennan Bay	43	41	41·8	ENGLAND, S.W.	Plymouth	49	48	48·1
	Aberdeen, Cove Bay	44	42	43·0		Salcombe	49	47	47·9
ENGLAND, N.E.	Burnmouth, Berwick	42	40	41·3	IRELAND, N.W.	Sheephaven	46	45	45·6
	Scarborough	47	41	42·7		Teelin	47	46	46·8
ENGLAND, E.	Shipwash Lightship	42	41	41·7	IRELAND, S.W.	Cleggan	47	45	45·8
	Margate	44	42	43·0		Seafield	49	47	47·8
ENGLAND, S.E.	Eastbourne	44	44	44·0	IRELAND, E.				

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.50 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

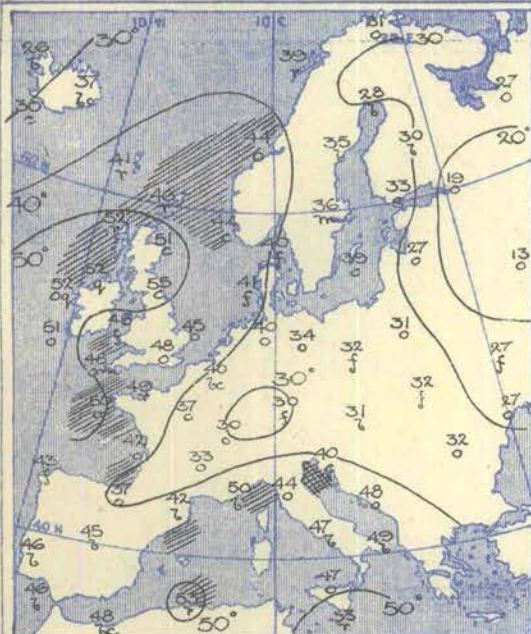
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.50 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 2nd January, 1910.

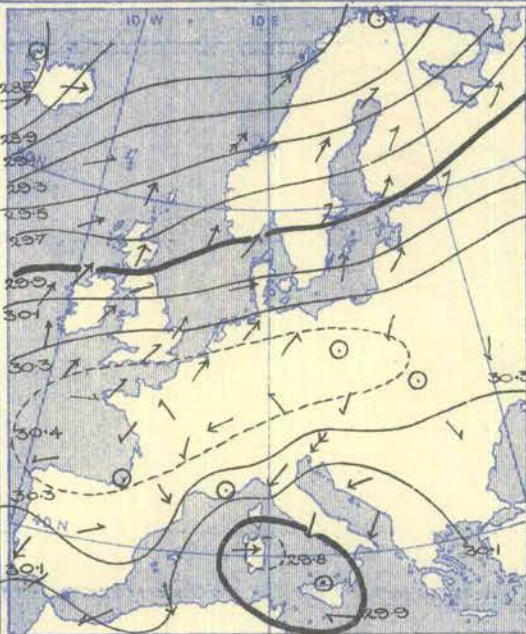
Temperature and Weather.

7 a.m.

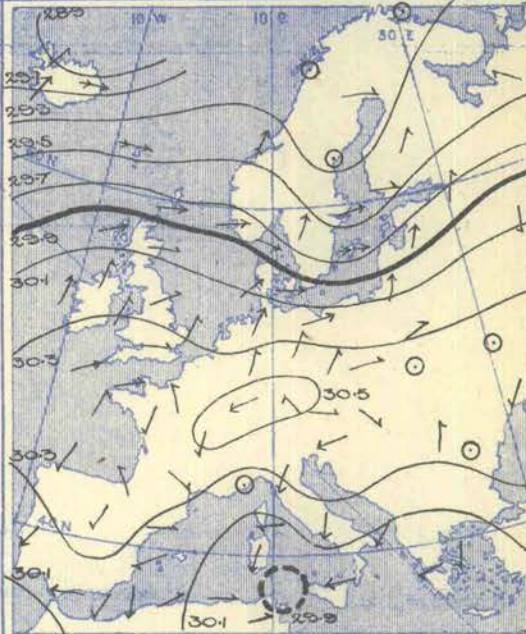


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or quite overcast over the greater part of our area, with rain at several stations both over the northern and southern regions. Fine and bright in the Spanish Peninsula, the south of France, and in various parts of Italy. Slight rain later in some English localities, more than an inch at Christiansund and Malta, and nearly an inch on the coast of Algeria.

Temperature risen over these Islands and their neighbourhood; readings in morning as high as 55° or 56° in the north-east of Britain, and above 50° in the north and west of these Islands generally; 50° or a little higher at a few places in the extreme south of our area. Below 32° over a considerable portion of the Continent, and below 20° at some stations in the north-east. Rising during day to 59° at Colwyn Bay, 58° at Rhyl, and to 57° at Leith and Aberdeen, but thermometer rising very little above 32° in the central countries of the Continent, and not much above 50° in Italy and the south of France. Maxima about 60° in Algeria. Night very mild over these Islands.

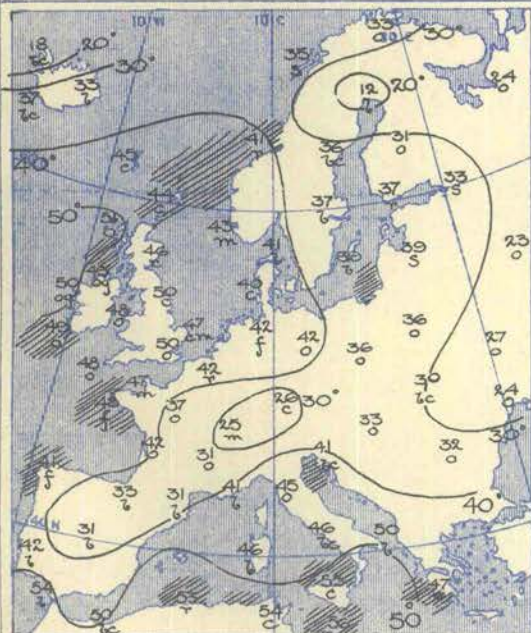
Wind in morning Westerly to South-Westerly over these Islands and the northern half of the Continent; strong to high at many stations in the north and north-west of this country, and strong to a gale at Christiansund. A well marked cyclonic circulation prevailing over the Mediterranean and the surrounding regions; fresh to strong in places, and a gale at Trieste. Increasing to a gale later over the Icelandic region, and gale becoming more general in Scandinavia, but force decreasing in this country. Northerly current decreasing in force in Italy, and gale subsiding at Trieste.

Barometer in morning ranging from above 30.4 ins. in the central part of an anticyclonic band covering the whole area between the Bay of Biscay and the southern half of Russia; below 29.8 ins. in a depression having its minimum over Sardinia, and below 28.7 ins. in a very large system in the extreme north-west of our area. Former moving southwards and becoming less deep during day, and later apparently travelling north-eastward. Very little change taking place within the anticyclonic area.

Monday, 3rd January, 1910.

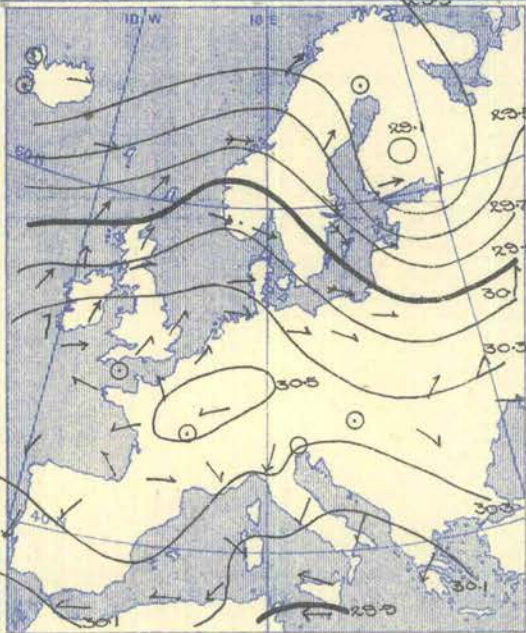
Temperature and Weather.

7 a.m.

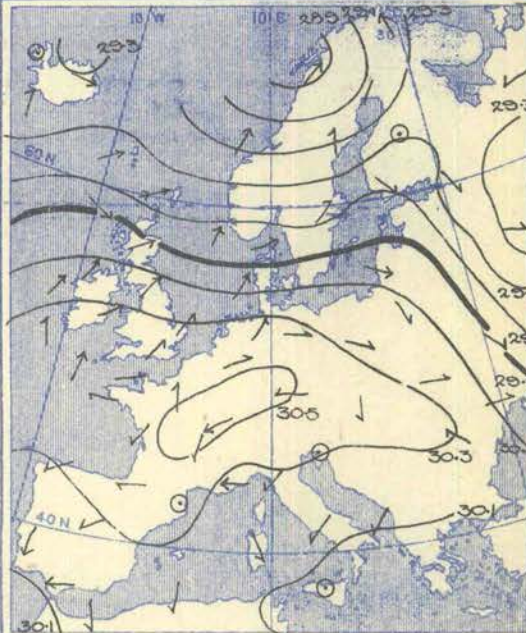


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine at most stations in the south of our area, and also in Sweden and Denmark; very cloudy or quite overcast in almost all other places, with rain in a few widely-scattered localities, and snow in Finland and at Bodø. A little rain later at some places in these Islands, and some rain or snow in Russia and Scandinavia.

Temperature fallen over the major portion of our area. Morning readings ranging from above 50° at some places in the far south and about 50° at many of our own stations to below 32° over considerable areas on the Continent and to 12° at Haparanda. Maxima during day above 50° over much of this country, and between 50° and 60° on most shores of the Mediterranean; below 40° in various parts of central Europe, and only 46° at Aumale.

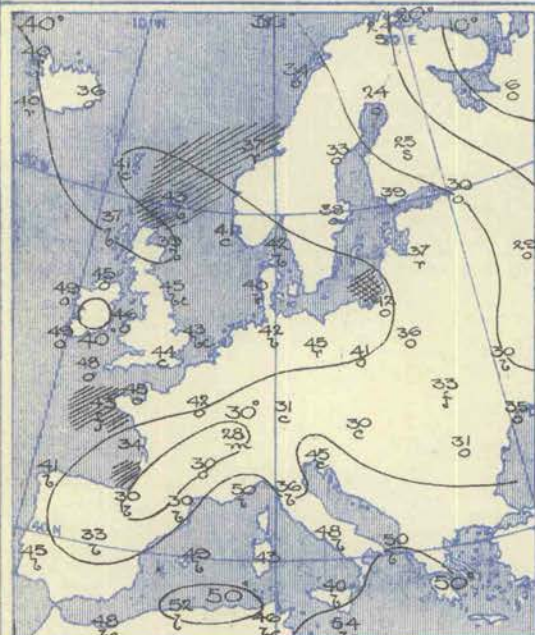
Wind in morning moderate to strong or high from between West and South-West on our western and northern coasts, and blowing a gale at Christiansund, and strong winds or gales from the North-Westward general over the Baltic. Mainly from some Easterly point in the south of our area, and strong in several localities. Increasing to a gale at Sumburgh Head by evening, but backing and moderating in force over the Baltic.

Barometer in morning above 30.5 ins. in the east of France and South Germany, and high in a band extending from the Bay of Biscay to the Black Sea. Below 29.9 ins. in the central portion of the Mediterranean, and below 29.1 ins. in a deep depression centred over Finland. Latter travelling quickly eastward during day, but another appearing on the north-west coast of Norway. Pressure decreasing briskly in the north-east of Great Britain, but rising again in the north-west and north of these Islands. Anticyclonic system maintaining its position.

Tuesday, 4th January, 1910.

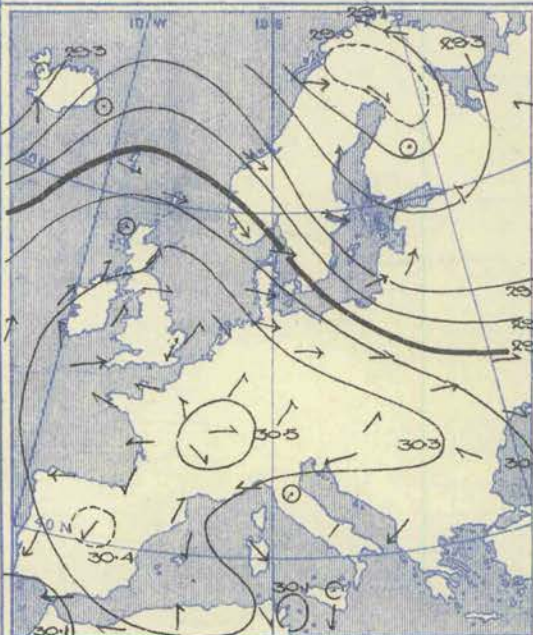
Temperature and Weather.

7 a.m.

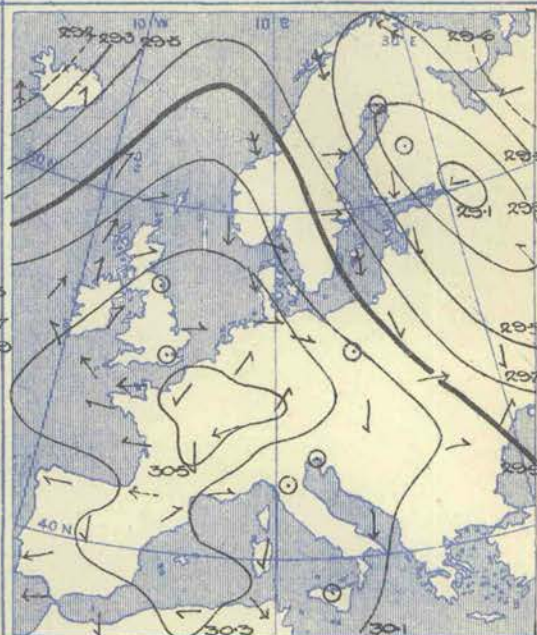


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally fair to fine and bright in the south of our area and also in Scotland, but very cloudy or overcast in almost all other regions, with fog on several parts of the English coast, rain at Berlin, and rain or snow at some places further north. Slight rain later in the west and north of these Islands, a heavier fall at Lisbon, and heavy falls of snow in Finland. Much mist and fog on the coasts of this country.

Temperature risen in a few localities, but fallen generally. Readings in morning above 40° in Ireland, England, and a considerable portion of the Continent, and above 50° at some places in the far south. A little below 32° in various parts of France, central Europe, and Transylvania, and much below it in the north of Russia. Thermometer rising to about 50° during day in various parts of the United Kingdom and in the west of France, and to about 60° in the south of France and on the shores of the Mediterranean; highest reading, 68° at Nemours. Maxima below 40° in some parts of Hungary.

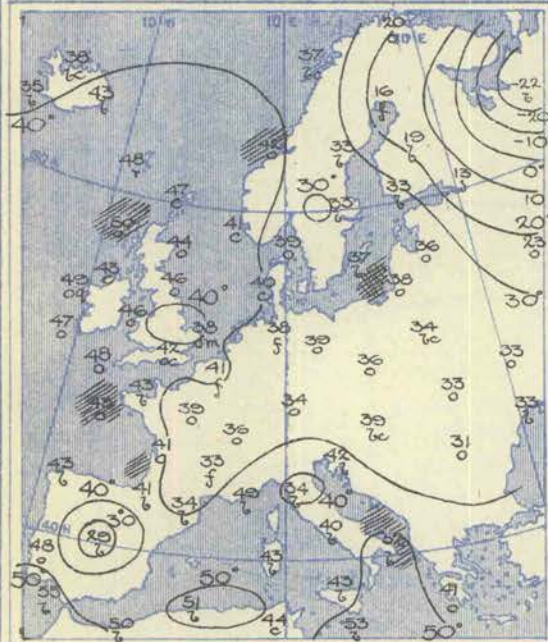
Wind in morning light and anticyclonic over our Islands, France, and the regions in the immediate neighbourhood. Strong to a gale from the North-Westward over Scandinavia and the Baltic and moderate to high from the Southward in Iceland. Light to fresh breezes from some Northerly point prevailing over the south of Europe generally, but a high wind from East at San Fernando. Increasing somewhat in force from the South-West on our north-west coast later in day, and increasing to a gale from South in Iceland. Strong North-Westerly winds and gales continuing all day in Scandinavia and on the Baltic and extending to the Gulf of Finland.

Barometer in morning ranging from above 30.5 ins. in the central area of an anticyclone covering the east of France to below 29.3 ins. in the west of Iceland, and to below 29.0 ins. in a depression having its minimum over the north of Scandinavia. Latter moving south-eastward during day, and barometer rising very quickly in its rear. A depression spreading over Iceland, and causing a slight fall of the mercury on our own north-western coasts. Anticyclone maintaining its position.

Wednesday, 5th January, 1910.

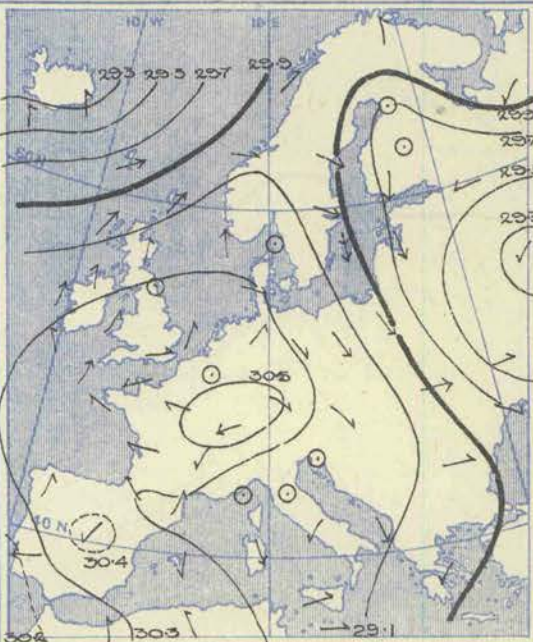
Temperature and Weather.

7 a.m.

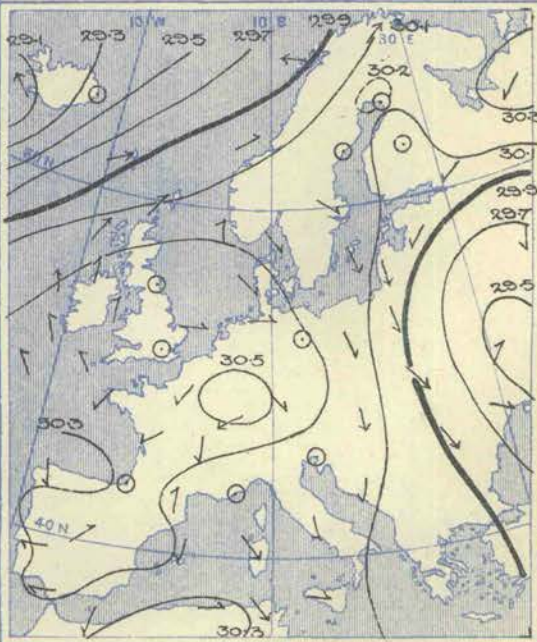


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright at nearly all places in the Mediterranean region, and also in a large area in the north of the Continent, but very cloudy or quite overcast elsewhere. Fog prevailing in the Netherlands and the adjacent portions of France and Germany, and fog or mist on the east coast of England. A little rain in various parts of these Islands later, and some snow at some Russian stations, but weather continuing very dry over our area as a whole.

Temperature changed irregularly. Morning readings ranging from above 50° at a few stations in the far south of our area, and 49° or 50° in the extreme west and north-west of the United Kingdom, to below 32° in some patches over the southern regions of the Continent, and to much below it in the north-east; lowest figure, -22° at Archangel. Thermometer rising to about 50° at some of our western and northern stations, but remaining below 45° in the east and south-east of England, and also throughout central Europe; touching or exceeding 60° in Spain, Portugal, and Algeria, and reaching 71° at Perpignan.

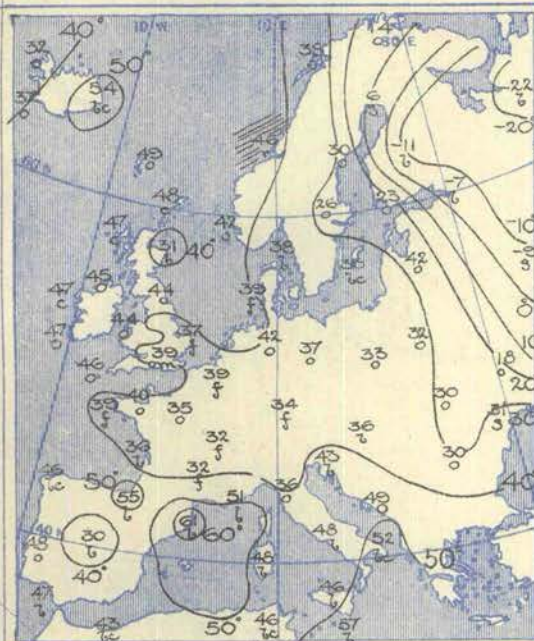
Wind in morning light and anticyclonic over central Europe and most of the United Kingdom. Moderate to strong from the Northward at most stations in Russia and the Baltic, and blowing a gale at Wisby and Memel. A feeble cyclonic circulation prevailing over the Mediterranean, and moderate to strong winds from the South-Westward between Scotland and Iceland. Decreasing in force to a moderate or fresh breeze later on the Baltic, but blowing strongly in some parts of eastern Europe.

Barometer in morning above 30.5 ins. in the east of France and the adjacent part of Germany; below 29.3 ins. in a large depression centred over central Russia, and to below 29.2 ins. in the north-west of Iceland. Not much modification in the general distribution of pressure later; Russian depression moving southward and barometer rising briskly over the White Sea region. A fresh fall taking place in the south-west of Iceland, and mercury becoming lower than of late over the Azores.

Thursday, 6th January, 1910.

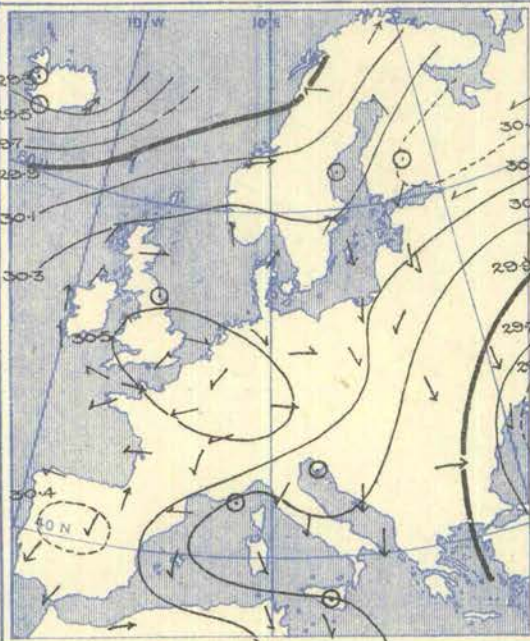
Temperature and Weather.

7 a.m.

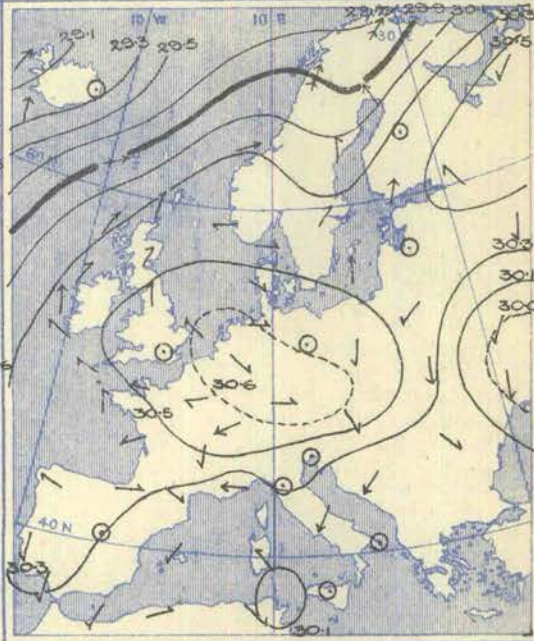


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or dull over the greater portion of our area, but fine in the east of Scotland, the west of France, and at most stations in southern Europe and the Mediterranean region. Rain falling at Christiansund, and snow at Haparanda and in some parts of Finland and Russia. Some rain or snow later in Scandinavia and Finland, and more than an inch of rain at Cape de Garde.

Temperature fallen in most places, risen in the south of France. Readings in morning ranging from 64° at Barcelona and 61° at Perpignan to below 50° at several other southern stations, below 40° over Europe as a whole, and to much below 30° in the north and north-east. As low as -9° at Moscow and -23° at Archangel. Rising during day to 50° at Scilly, to between 60° and 60° very generally in the south of our area, and to 71° at Perpignan. Maxima extremely low in Russia, only 10° at St. Petersburg.

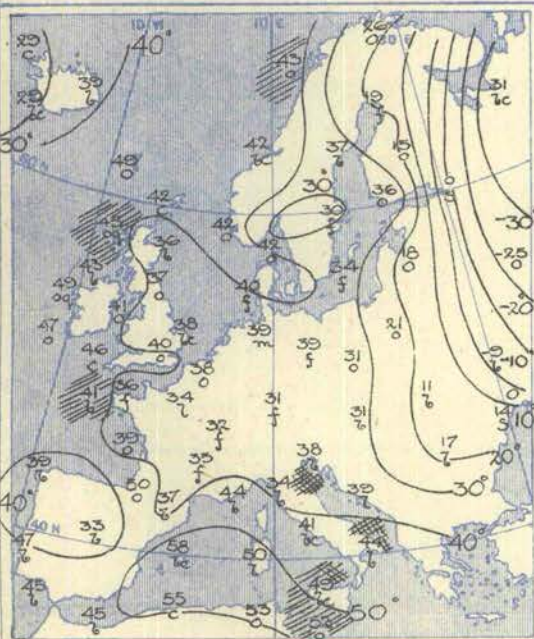
Wind in morning strong to a gale from the South-Westward between Norway and Iceland, high from the Northward at Lemberg, and moderate or light from that quarter at many stations on the shores of the Mediterranean. An extensive anticyclonic circulation shown over this country and the nearer countries of the Continent. No great change later in day; increasing to a gale from West South-West at Thorshavn, and to a strong gale from the South-Westward in the north of Norway.

Barometer in morning above 30.5 ins. in the central portion of an anticyclone extending from Lancashire to Bavaria, relatively low in depressions in the south of Russia and over the Mediterranean, and below 29.8 ins. over the greater part of Iceland. Below 30.0 ins. at the Azores. High pressure system increasing in intensity during day, but a fresh fall of the barometer setting in in Iceland. Very little modification occurring in the general distribution of pressure; gradient growing steeper in the Icelandic region and also in the far north of the Continent.

Friday, 7th January, 1910.

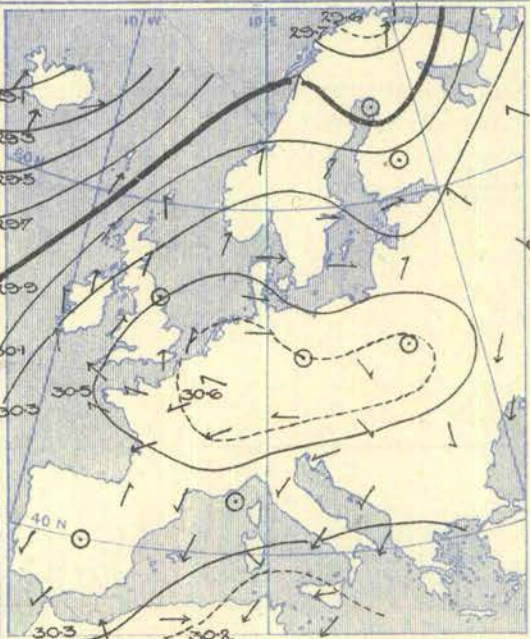
Temperature and Weather.

7 a.m.

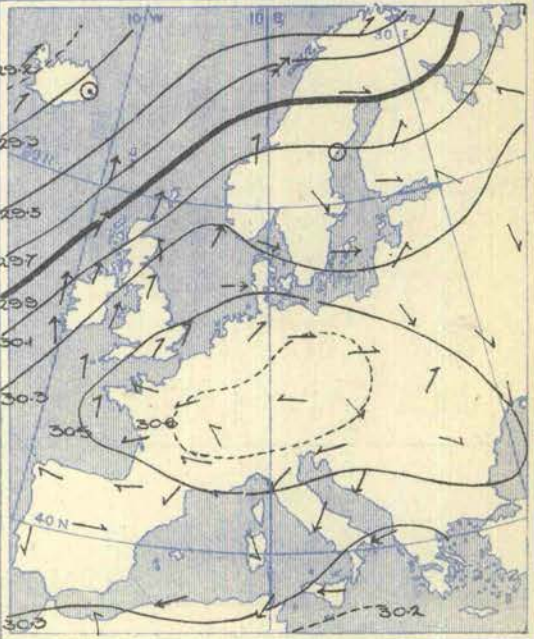


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or dull in nearly all parts of England and the central regions of Europe, but fair to fine over our area as a whole. Foggy in several parts of southern Scandinavia, Germany, and the east of France, and snow falling at St. Petersburg. Continuing dry generally, but some rain falling at Tunis, rain or snow in Norway, and as much as 0.65 in. of rain at Blackhead Point.

Temperature showing no decided change. Morning readings ranging from 58° at Palma, 55° at Algiers, and 49° in the north-west of Ireland to much below freezing point in the east and north-east of our area; reading at Moscow 25° below zero, and 31° below at Archangel. Maxima during day about 50° at many of our own northern and western stations, but rather below 40° at several places in the centre and east of England, as well as in Germany and the east of France; severe frost continuing all day in Russia and Poland. Thermometer touching or exceeding 60° in Algeria and some parts of southern Europe.

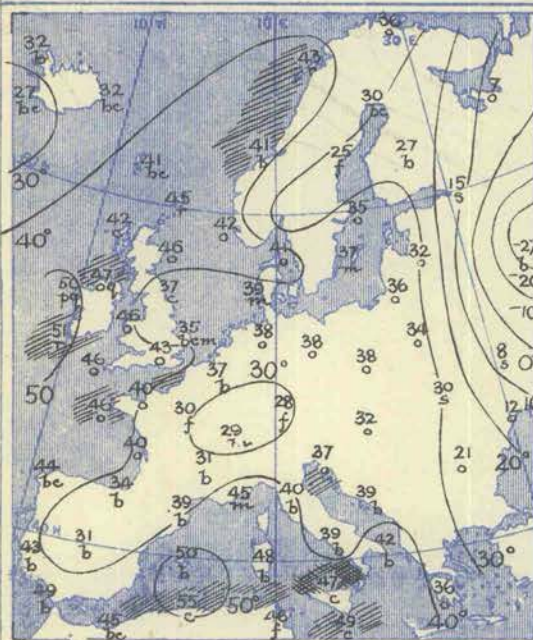
Wind in morning showing a very extensive anticyclonic circulation over the greater portion of the Continent and England. A moderate to high South-Westerly current prevailing over the north-west of our area, and somewhat variable Northerly winds in the far south. A high wind from North-East blowing at Malta. South-Westerly current extending considerably during day, and increasing in force in the west and north of these Islands and also in Norway. Wind increasing in strength from between North and East on the shores of the Mediterranean.

Barometer in morning ranging from above 30.6 ins. over a large portion of central Europe to below 29.6 ins. in the far north of Scandinavia, and to below 29.1 ins. in the north of Iceland. Pressure giving way decidedly during day over the northern regions of the Continent, and a depression beginning to extend over the United Kingdom from the North-Westward. Scarcely any change taking place in the height of the barometer in central Europe, but a fall occurring in the south of our area.

Saturday, 8th January, 1910.

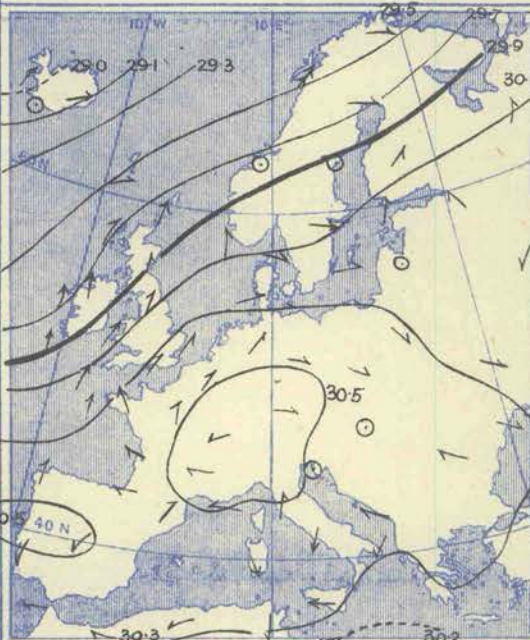
Temperature and Weather.

7 a.m.

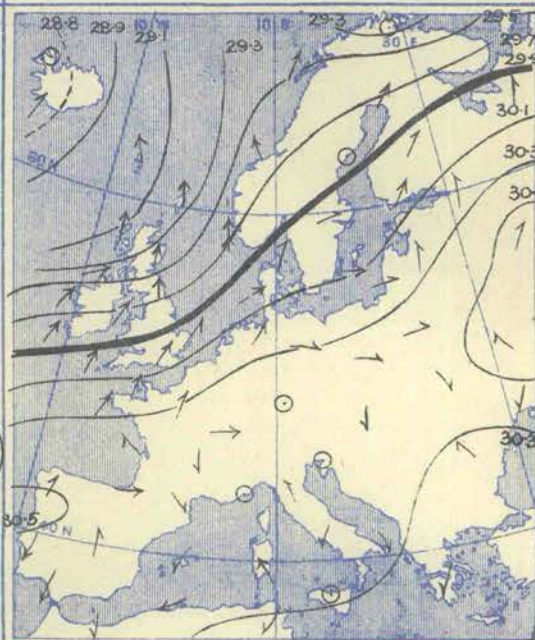


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in some parts of Ireland and the north of Scotland, as well as at Bodø, and snow falling at St. Petersburg, Lemberg, and Kieff. Much cloud over these Islands and the northern half of the Continent, but fair to fine conditions most general in the south. Rain later throughout these Islands and in Norway, and also at some Algerian stations. Thunder and lightning in several Scottish localities and at Markree Castle.

Temperature risen in these Islands, fallen in many Continental regions. Morning readings ranging from between 45° and 50° at most stations over the Mediterranean region and the west and north of the United Kingdom to below 32° in some parts of central Europe, and at almost all stations in the north and east; lowest value, -27° at Moscow. Maxima during day or night 50° or rather higher in various parts of these Islands, above 55° at many stations in southern Europe, and above 60° in southern Spain. Thermometer only touching 45° at Naples and 45° at Brindisi.

Wind in morning Southerly to South-Westerly over the north-west of our area, strong on our western coasts and on the south coast of Norway, and blowing a gale at Bodø. Light anticyclonic airs prevailing in the central countries, and a moderate to strong Easterly or North-Easterly breeze in the extreme south. Increasing in strength from the Southward and South-Westward later over the United Kingdom, and blowing very strongly in the west and north; reaching the force of a strong gale during night in some exposed places on the extreme north-west coasts.

Barometer in morning above 30.4 ins. over a large portion of the Continent, but decreasing to 30.2 ins. at Malta, to below 29.4 ins. in the extreme north of Norway, and to below 29.6 ins. in the north of Iceland. Pressure decreasing very quickly during day in Scotland and the north of England and Ireland, and very briskly in the south of these Islands and the adjacent part of the Continent, as well as in Iceland. Continental anticyclone receding southward and decreasing somewhat in intensity.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.	Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Jan. 2nd, 10.45 a.m. to 11.20 a.m.	Brighton, 115 m.	Temperature Humidity Wind ..	281° 100% 280°, 8	283° 100% —, 15?					340°, —	{ Clock partially stopped. Thick wet fog. Temp. rose to 285° above ground level.
2	Jan. 3rd, 10.7 a.m. to 10.57 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	282° 90% 260°, 7	281° 90% 250°, 9	279° 100% 225°, 14	281° 65% 235°, 13			282.5° 50% 235°, 13	{ 1,360 { Overcast, large amount of water on the wire. Cloud level at 500 m.
3	Jan. 8th, ? 10.30 a.m.	Brighton, 115 m.	Temperature Humidity Wind ..	270° 100% 280°, —	278° 100% 230°, 10	281° 50% 240°, 15				283° 40% 250°, 15	{ 900m { Overcast. Clouds at 450 m.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3
No. of Kites ..	1	1	1
Area of Surface (metres) ..	7	7	7
Length of Wire (metres) ..	500	1,500	2,000

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 2.

SECOND WEEK, SUNDAY, JANUARY 9TH, TO SATURDAY, JANUARY 15TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was very unsettled, some amount of precipitation occurring almost daily, generally in the form of rain, but sometimes in the form of hail, sleet, or snow over the northern half of the Kingdom. Over the eastern districts of Great Britain intervals of bright sunshine were, however, frequent. Thunder and lightning were experienced in many places, and on Wednesday a display of aurora was observed at Gordon Castle.

Temperature was below the average in Scotland North, but above it elsewhere, the excess being considerable generally, and as great as $4\frac{1}{2}^{\circ}$ in the Midland Counties and England South-East, and 5° in England East. The highest of the maxima were recorded on the 9th at almost all stations, and ranged from 57° in the Midland Counties, Scotland West, and Ireland South, to 53° in the English Channel, and to 52° in Scotland North. The lowest of the minima which occurred either on the 12th or 13th, varied from 20° in Scotland East and 21° in Scotland North to 28° or 29° in several other districts, and to 33° in the English Channel. The lowest grass minima reported were 14° at West Linton, 15° at Cambridge, 18° at Balmoral and Buxton, and 19° at Newton Rigg and Sheffield.

Mean Temperature of the Sea.—As a whole the temperature of the water differed little from that of the corresponding week of last year. The means for the week ranged from about 48° at Newquay and Plymouth, to a little above 40° at Kirkwall, Cromarty and Pennan Bay, and to a little below 40° at Burnmouth.

Rainfall exceeded the normal in all districts except England East, the excess in the western and northern parts of the Kingdom being large. Falls of an inch or more in twenty-four hours were experienced in some parts of Scotland, and the north-west of England, and north Wales. On Thursday 1.15 inch fell at Glencarron and 1.45 inch at Fort William, and on Saturday 1.28 inch at Burnley and Bettws-y-Coed, 1.70 inch at Laudale, and 2.07 inches at Stonyhurst.

Bright Sunshine was above the average in the eastern and central parts of Great Britain, and just equal to it in England North-West and South-West, but in Ireland, the North and West of Scotland or in the English Channel it was less than the normal. The percentage of the possible duration ranged from 39 in England East and 31 in England South-East, to 11 in Scotland West, 9 in Ireland North and 5 in Scotland North.

Barometer and Wind.—A simple distribution of barometric pressure in favour of a current of air between West and South-West prevailed during the whole period, and as the difference in pressure between the anticyclonic region to the southward of these Islands and the cyclonic region in Iceland and off the north of Scotland was large, the winds were generally fresh or strong to high in force. On some parts of the west and north-west coasts the wind increased to the strength of a gale—mostly early in the week, and at Portland Bill to a strong gale.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 20.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Moderate	Unusual
	Rainfall ...	Very heavy	Very heavy	Moderate	Moderate	Heavy	Moderate	Heavy	Very heavy	Heavy	Very heavy	Heavy	Heavy
	Sunshine ...	Scanty	Moderate	Abundant	Very abundant	Abundant	Abundant	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 6 weeks from Dec. 5th, 1909.	Warmth ...	1 * 3	2 * 2	2 * 2	2 * 0	2 * 1	2 * 2	2 * 2	3 * 2	2 * 3	2 * 2	2 * 2	2 * 3
		3 * 1	3 * 2	2 * 1	3 * 1	4 * 1	2 * 2	3 * 1	4 * 1	3 * 2	2 * 3	2 * 3	1 * 3
	Sunshine ...	4 * 1	3 * 0	2 * 2	3 * 2	3 * 2	3 * 2	1 * 1	2 * 0	1 * 1	1 * 4	1 * 0	0 * 3

PAST SEASONS.

WINTER, 1908-9. Nov. 29th-Mar. 6th. 14 weeks.	Warmth ...	3 * 2	3 * 2	2 * 7	4 * 6	2 * 6	4 * 6	3 * 2	4 * 6	4 * 6	6 * 1	4 * 2	5 * 5
		2 * 6	3 * 5	1 * 6	3 * 7	3 * 7	4 * 8	4 * 3	2 * 6	4 * 8	3 * 4	3 * 6	5 * 8
	Sunshine ...	6 * 2	5 * 3	3 * 3	4 * 6	4 * 6	5 * 4	4 * 2	8 * 1	6 * 2	4 * 5	2 * 4	6 * 3
SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
		3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
		2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
		5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
		5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

SECOND WEEK—January 9th to January 15th, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (126 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
								Day-deg. 1	Day-deg. - 5	Day-deg. 38	Day-deg. + 2			Inches.	Inches.			%	%
0. SCOTLAND, NORTH		52	21	42.3	31.5	37.1	- 0.9					7	+ 2	2.56	+1.42	2	- 3	5	- 7
Eastern																			
1. SCOTLAND, EAST		55	20	42.5	31.5	37.2	+ 0.4	1	- 4	39	- 4	6	+ 3	1.27	+0.73	9	+ 1	15	+ 2
2. ENGLAND, N.E.		55	26	46.3	34.9	40.9	+ 2.8	12	+ 5	30	- 5	5	+ 1	0.54	+0.08	14	+ 7	28	+13
3. ENGLAND, EAST		56	29	47.3	37.0	42.4	+ 5.1	24	+ 17	14	- 27	5	+ 1	0.38	-0.01	21	+ 11	39	+21
4. MIDLAND COUNTIES		57	26	47.7	35.8	42.0	+ 4.6	16	+ 7	17	- 24	6	+ 2	0.78	+0.32	15	+ 6	27	+11
5. ENGLAND, S.E.		55	28	48.0	38.8	43.6	+ 4.5	25	+ 14	9	- 23	6	+ 3	0.61	+0.11	18	+ 7	31	+13
Western																			
6. SCOTLAND, WEST		57	26	45.7	35.3	40.8	+ 1.6	10	+ 2	28	- 1	6	+ 2	1.89	+0.91	6	- 2	11	- 4
7. ENGLAND, N.W.		55	27	46.9	37.4	42.3	+ 3.0	21	+ 12	13	- 16	6	+ 2	1.84	+1.22	8	0	15	0
8. ENGLAND, S.W.		54	28	48.4	39.2	44.0	+ 3.0	26	+ 10	8	- 15	6	+ 3	1.18	+0.40	11	0	19	0
9. IRELAND, NORTH		55	29	47.4	35.9	41.9	+ 1.5	15	+ 3	27	+ 2	7	+ 3	1.62	+0.88	5	- 4	9	- 8
10. IRELAND, SOUTH		57	28	48.5	38.5	43.7	+ 1.6	27	+ 8	10	- 9	7	+ 3	1.33	+0.42	9	- 2	16	- 5
11. ENGLISH CHANNEL		53	33	50.5	42.7	46.7	+ 2.5	33	+ 9	0	- 9	7	+ 3	0.96	+0.27	13	- 1	22	- 2
THE SEASON (Winter).—Aggregates, &c., for the Period of 6 Weeks, December 5th, 1909 to January 15th, 1910.																			
0. SCOTLAND, NORTH		55	11	*	*	*	*	40	- 6	246	+ 51	34	+ 3	8.69	+1.16	33	+ 6	12	+ 2
Eastern																			
1. SCOTLAND, EAST		57	0	*	*	*	*	47	+ 7	250	+ 7	25	+ 1	4.09	+0.31	61	+ 19	22	+ 7
2. ENGLAND, N.E.		56	10	*	*	*	*	58	+ 10	167	- 30	25	+ 3	3.68	+0.78	55	+ 6	18	+ 2
3. ENGLAND, EAST		57	18	*	*	*	*	64	+ 10	144	- 82	27	+ 3	3.22	+0.64	72	+ 14	23	+ 5
4. MIDLAND COUNTIES ..		57	8	*	*	*	*	62	+ 2	174	- 56	27	+ 4	4.16	+1.03	57	+ 8	18	+ 2
5. ENGLAND, S.E.		57	17	*	*	*	*	87	+ 1	130	- 35	28	+ 5	3.75	+0.40	71	+ 11	22	+ 3
Western																			
6. SCOTLAND, WEST		57	12	*	*	*	*	67	+ 3	164	+ 8	26	- 2	7.85§	+0.94	42	+ 1	14	0
7. ENGLAND, N.W.		56	14	*	*	*	*	74	+ 6	128	- 30	29	+ 4	6.78	+2.47	51	+ 8	17	+ 3
8. ENGLAND, S.W.		55	9	*	*	*	*	95	- 17	103	- 13	29	+ 3	5.95	+0.19	60	- 2	18	- 1
9. IRELAND, NORTH		57	12	*	*	*	*	96	+ 17	131	- 6	31	+ 2	4.89	-0.09	43	- 9	14	- 3
10. IRELAND, SOUTH		57	8	*	*	*	*	119	- 11	104	0	31	+ 3	4.99	-1.09	60	- 4	19	- 1
11. ENGLISH CHANNEL		56	30	*	*	*	*	155	- 24	34	- 3	32	+ 3	3.71	-1.28	53	- 26	16	- 8
THE YEAR.—Aggregates, &c., for the Period of 2 Weeks, January 2nd to January 15th, 1910.																			
0. SCOTLAND, NORTH		55	21	*	*	*	*	27	+15	44	-29	12	+ 2	4.07	+1.84	8	- 2	9	- 2
Eastern																			
1. SCOTLAND, EAST		57	20	*	*	*	*	32	+22	50	-37	9	+ 2	1.58	+0.44	19	+ 4	20	+ 5
2. ENGLAND, N.E.		56	26	*	*	*	*	29	+16	39	-33	7	- 1	0.63	-0.25	18	+ 3	18	+ 3
3. ENGLAND, EAST		57	29	*	*	*	*	33	+18	32	-51	8	0	0.43	-0.41	25	+ 6	23	+ 6
4. MIDLAND COUNTIES ..		57	26	*	*	*	*	26	+ 8	37	-46	8	0	0.89	-0.12	18	+ 1	17	+ 1
5. ENGLAND, S.E.		57	28	*	*	*	*	42	+19	16	-48	9	+ 2	0.68	-0.36	20	0	18	0
Western																			
6. SCOTLAND, WEST		57	26	*	*	*	*	36	+20	28	-32	10	+ 1	2.71§	+0.64	8	- 6	8	- 6
7. ENGLAND, N.W.		55	27	*	*	*	*	40	+21	19	-40	9	+ 1	2.19	+0.89	12	- 3	11	- 3
8. ENGLAND, S.W.		54	28	*	*	*	*	44	+12	13	-33	9	+ 1	1.36	-0.33	14	- 7	13	- 6
9. IRELAND, NORTH		55	29	*	*	*	*	48	+24	27	-23	10	+ 1	2.01	+0.46	10	- 7	10	- 7
10. IRELAND, SOUTH		57	28	*	*	*	*	62	+23	10	-28	11	+ 2	1.66	-0.30	17	- 4	16	- 4
11. ENGLISH CHANNEL		53	33	*	*	*	*	53	+ 3	0	-18	10	+ 1	1.04	-0.45	13	- 14	11	-12

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 § The corresponding value for Report No. 1 altered owing to the receipt of further information.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *st* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°.		Below 42°.
										Day	Day	Day	Day	Day	Day	Day	Day		
0. SCOTLAND, N.	a, Islands.	p Balta Sound	8 47	9th	31	12th, 13th	42.1	34.5	38.5	- 3.9	0	23	7	2.04	2.9	-	-	Balta Sound.	
	b, Main-land.	a Sumburgh Head	46	13th	25	12th, 13th	42.0	28.3	35.4	- 0.7	0	46	7	1.70	+ 0.73	- 1.3	10	- 4	
		a Stornoway	51	9th	28	12th, 13th	43.3	33.3	38.5	- 0.7	0	33	7	2.87	+ 1.66	- 2.3	8	- 5	
		a Castlebay, Barra Isd.	52	9th	33	11th	46.1	36.6	41.5	+ 0.1	11	23	7	1.10	5.4	-	11	-	
		a Wick	44	9th, 15th	27	12th, 13th	39.1	30.6	35.0	- 3.2	0	49	7	0.69	+ 0.09	-	2	- 13	
		p Strathpeffer	51	9th	26	12th	42.6	32.7	37.9	+ 1.0	2	35	7	1.79	+ 1.06	- 6.0	2	-	
		p Glencarron	52	9th	24	12th	43.1	32.0	37.8	+ 1.1	3	38	7	3.09	+ 0.77	-	-	Strathpeffer.	
1. SCOTLAND E. ..	b, Main-land.	p Fort Augustus	52	9th	21	12th	42.6	30.2	36.7	- 1.1	2	44	7	3.04	+ 1.77	0.4	- 2.8	1	- 6
		p Fort William	51	9th	23	12th	43.5	33.1	38.5	- 1.0	4	34	7	4.74	+ 2.57	-	-	Fort Augustus.	
		p Gordon Castle	47	14th	27	13th	42.1	31.9	37.2	- 1.1	0	37	5	0.94	+ 0.43	8.9	-	19	-
		a Nairn	52	9th	26	12th	42.0	31.1	36.8	- 0.6	0	36	7	1.54	+ 1.11	3.5	-	7	-
		a Aberdeen	53	9th	30	12, 13, 14th	43.0	34.0	38.7	+ 1.0	3	30	5	0.36	- 0.19	12.9	+ 2.4	27	+ 5
		a Balmoral	44	14th	20	12th	41.6	28.3	35.2	+ 0.9	0	48	7	1.41	+ 0.71	11.0	-	23	-
		p Crieff	50	9th	25	12th	40.9	31.4	36.3	- 0.9	0	40	6	2.29	+ 1.36	9.0	-	18	-
2. ENGLAND, N.E.	b, South.	a Leith	55	9th	31	13th	46.1	34.9	40.7	+ 1.5	11	29	6	1.00	+ 0.63	6.8	+ 0.5	14	+ 1
		a West Linton	50	9th	20	13th	41.9	29.2	35.8	- 0.6	0	43	6	1.61	-	8.0	-	16	-
		p Marchmont	51	9th	25	13th	42.4	31.4	37.1	+ 0.5	1	39	6	0.99	+ 0.46	9.0	- 0.4	18	- 1
		a Alnwick Castle	54	9th	30	13th, 14th	45.9	34.4	40.4	+ 2.2	11	31	5	0.90	+ 0.36	17.5	-	34	-
		a Shields	55	9th	28	13th	47.1	33.1	40.4	+ 1.5	14	37	6	0.62	+ 0.22	9.5	+ 4.0	19	+ 8
		p Durham	53	9th, 10th	28	13th	45.9	34.6	40.5	+ 3.4	11	30	5	0.52	+ 0.14	14.1	+ 4.5	28	+ 9
		p Rounton	53	9th	26	13th	44.8	33.5	39.4	+ 2.2	8	33	6	0.71	+ 0.31	-	-	-	-
3. ENGLAND, E.	b, South.	p Scarborough	55	9th	31	12th, 13th	48.3	36.1	42.4	+ 3.9	28	17	5	0.67	+ 0.21	10.6	-	20	-
		p York	55	9th	29	13th	46.9	36.6	42.0	+ 4.0	14	15	6	0.55	+ 0.18	8.0	+ 1.6	15	+ 3
		a Spurn Head	52	9th	32	13th	46.0	36.7	41.5	+ 2.8	11	22	5	0.25	- 0.06	-	-	36	-
		a Lincoln	54	9th	28	13th	45.4	34.4	40.1	+ 3.0	10	30	5	0.37	- 0.02	18.9	-	33	-
		a Fulbeck	53	9th	29	13th	46.6	34.9	41.0	+ 3.8	13	30	5	0.29	- 0.10	17.4	-	45	-
		p Cromer	53	9th, 10th	31	12th	46.8	37.6	42.4	+ 5.3	21	12	6	0.33	-	21.6	-	41	-
		p Hillington	53	9th, 10th	29	12, 13, 14th	46.7	37.3	42.2	+ 4.4	21	18	4	0.43	+ 0.03	20.4	+ 10.2	38	+ 19
4. MIDLAND COUNTIES.	b, West.	a Yarmouth	53	9th	32	13th	47.8	36.2	42.2	+ 4.7	26	16	5	0.41	-	-	-	45	-
		a Norwich	53	9th	29	13th	47.8	36.8	42.0	+ 3.8	15	16	4	0.40	+ 0.03	22.3	+ 10.6	41	+ 20
		p Geldeston	55	14th	29	13th	48.1	36.3	42.4	+ 4.7	27	16	4	0.36	+ 0.05	21.1	+ 10.4	39	+ 19
		p Cambridge	54	9, 10, 14th	29	13th	47.6	37.6	43.8	+ 4.3	24	12	5	0.27	-	23.1	-	43	-
		a Felzstrove	54	14th	30	13th	46.4	37.7	42.2	+ 3.9	19	12	4	0.27	-	20.8	-	38	-
		a Clacton-on-Sea	51	14th	31	13th, 14th	46.3	36.0	42.4	+ 5.0	28	17	6	0.43	- 0.04	20.9	+ 10.5	38	+ 19
		a Rothamsted	52	10th, 14th	32	13th, 14th	45.4	37.1	43.0	+ 4.3	28	14	5	0.28	0.00	20.4	-	37	-
5. ENGLAND, S.E. ...	b, South.	a Shebburness	52	10th, 14th	32	13th, 14th	45.4	37.1	43.0	+ 4.3	28	14	5	0.28	0.00	20.4	-	37	-
		p Tottenham	53	14th, 15th	33	13th	48.9	40.4	44.8	+ 6.0	26	4	4	0.32	-	17.8	-	32	-
		a Harrogate	52	9th, 10th	26	13th	44.7	34.2	39.7	+ 2.6	8	31	6	1.48	+ 0.96	13.7	-	26	-
		a Bawtry	54	9th	29	13th	47.1	35.1	41.3	+ 3.6	14	29	5	0.24	- 0.13	12.9	+ 5.2	24	+ 10
		p Buxton	51	9th	29	12th, 13th	45.9	34.4	40.4	+ 4.9	11	31	7	1.34	+ 0.24	14.1	-	27	-
		a Nottingham	54	9th	30	14th	47.6	36.1	42.1	+ 4.3	25	17	6	0.52	+ 0.10	15.8	-	30	-
		p Birmingham, Edgbn	52	9, 10, 14th	31	12th	46.2	35.6	41.1	+ 3.3	12	27	7	0.69	+ 0.23	17.5	-	32	-
6. SCOTLAND, W. ...	b, Isle of Man.	a Raunds	54	14th	26	13th	48.3	33.6	41.2	+ 4.0	18	36	5	0.59	-	-	-	-	-
		a Oxford	53	9th	30	13th	48.7	37.3	43.2	+ 4.4	28	13	5	0.53	+ 0.13	19.0	+ 8.6	35	+ 16
		a Cheadle	55	9th	32	12th, 13th	48.6	37.8	43.4	+ 4.8	27	12	7	0.84	-	11.7	-	22	-
		p Shrewsbury	55	9th	32	12th, 13th	48.6	37.8	43.4	+ 4.8	27	12	7	0.84	-	11.7	-	22	-
		a Hereford	53	9th	30	13th	48.6	36.2	42.7	+ 4.5	29	16	6	1.20	+ 0.70	-	-	-	-
		a Cirencester	57	14th	30	12th, 13th	48.0	33.6	41.1	+ 3.6	17	36	6	0.94	+ 0.41	15.1	+ 4.8	23	+ 9
		a Bath	54	9th	32	14th	49.3	38.4	44.1	+ 4.5	30	10	7	0.74	+ 0.19	12.4	-	23	-
7. ENGLAND, N.W. ...	b, North Wales.	p Harrogate	52	9th, 10th	26	13th	44.7	34.2	39.7	+ 2.6	8	31	6	1.48	+ 0.96	13.7	-	26	-
		a Bawtry	54	9th	29	13th	47.1	35.1	41.3	+ 3.6	14	29	5	0.24	- 0.13	12.9	+ 5.2	24	+ 10
		p Buxton	51	9th	29	12th, 13th	45.9	34.4	40.4	+ 4.9	11	31	7	1.34	+ 0.24	14.1	-	27	-
		a Nottingham	54	9th	30	14th	47.6	36.1	42.1	+ 4.3	25	17	6	0.52	+ 0.10	15.8	-	30	-
		p Birmingham, Edgbn	52	9, 10, 14th	31	12th	46.2	35.6	41.1	+ 3.3	12	27	7	0.69	+ 0.23	17.5	-	32	-
		a Raunds	54	14th	26	13th	48.3	33.6	41.2	+ 4.0	18	36	5	0.59	-	-	-	-	-
		a Oxford	53	9th	30	13th	48.7	37.3	43.2	+ 4.4	28	13	5	0.53	+ 0.13	19.0	+ 8.6	35	+ 16
8. ENGLAND, S.W. ...	b, South Wales.	a Cheadle	55	9th	32	12th, 13th	48.6	37.8	43.4	+ 4.8	27	12	7	0.84	-	11.7	-	22	-
		p Shrewsbury	55	9th	32	12th, 13th	48.6	37.8	43.4	+ 4.8	27	12	7	0.84	-	11.7	-	22	-
		a Hereford	53	9th	30	13th	48.6	36.2	42.7	+ 4.5	29	16	6	1.20	+ 0.70	-	-	-	-
		a Cirencester	57	14th	30	12th, 13th	48.0	33.6	41.1	+ 3.6	17	36	6	0.94	+ 0.41	15.1	+ 4.8	23	+ 9
		a Bath	54	9th	32	14th	49.3	38.4	44.1	+ 4.5	30	10	7	0.74	+ 0.19	12.4	-	23	-
		p Harrogate	52	9th, 10th	26	13th	44.7	34.2	39.7	+ 2.6	8	31	6	1.48	+ 0.96	13.7	-	26	-
		a Bawtry	54	9th	29	13th	47.1	35.1	41.3	+ 3.6	14	29	5	0.24	- 0.13	12.9	+ 5.2	24	+ 10
9. IRELAND, N.	b, East.	p Buxton	51	9th	29	12th, 13th	45.9	34.4	40.4	+ 4.9	11	31	7	1.34	+ 0.24	14.1	-	27	-
		a Nottingham	54	9th	30	14th	47.6	36.1	42.1	+ 4.3	25	17	6	0.52	+ 0.10	15.8	-	30	-
		p Birmingham, Edgbn	52	9, 10, 14th	31	12th	46.2	35.6	41.1	+ 3.3	12	27	7	0.69	+ 0.23	17.5	-	32	-
		a Raunds	54	14th	26														

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Mf.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	38·4	—	Harrogate	2	20	39·7	41·4	6. Dumfries	2	26	39·0	41·7
1. Aberdeen	—	—	—	39·8	Huddersfield	2	20	39·2	42·0	Douglas	1	29	—	—
Crathes	3	20	35·2	37·8	Buxton	5	18	39·0	42·7	Aspatia	1	23	—	—
Balmoral	5	18	—	—	Sheffield	7	19	38·7	42·4	Newton Rigg	3	19	39·6	41·2
West Linton	4	14	—	—	Nottingham	4	24	38·8	41·3	Burnley	3	20	38·6	41·6
Marchmont	3	21	37·7	—	Birmingham	2	27	40·9	44·6	Southport	1	27	38·9	41·0
Cockle Park	3	22	37·1	40·7	Oxford	3	23	—	—	Manchester City	0	31	39·8	43·3
Durham	2	23	—	—	Hereford	5	20	—	—	Bettws-y-Coed	1	23	41·3	44·0
York	—	—	39·8	42·5	Gloucester	3	25	42·6	45·0	Llangammarch Wells	3	22	41·6	44·8
Hull	2	24	38·9	43·0	Bath	—	—	—	—	Cardiff	2	24	41·9	44·5
Lincoln	—	—	38·5	41·9	Margate	0	31	42·3	43·8	Clifton	1	27	—	—
Rauceby	4	22	40·1	43·5	Greenwich	3	24	—	—	Plymouth	0	32	43·5	—
Norwich	3	25	—	—	Westminster	1	25	—	—	9. Armagh	2	26	41·8	44·6
Yarmouth	—	—	40·0	43·9	Kew	2	22	41·9	45·0	Markree	1	23	42·1	45·2
Lowestoft	2	26	39·9	42·9	Canterbury	2	26	42·4	43·7	10. Dublin, Trin. Coll. ..	2	29	41·5	44·6
Cambridge	5	15	40·2	43·7	Tunbridge Wells	3	22	40·7	—	11. Guernsey, Brooklyn	1	29	45·1	47·1
Clacton-on-Sea	2	26	41·8	45·1	Wisley	2	24	42·5	44·4					
Southend	3	24	42·0	—	Worthing	2	25	42·2	44·9					
Tottenham	1	27	—	44·9	Portsmouth	1	26	43·6	46·0					
					6. Glasgow	2	22	—	—					
					Rothsay	—	—	—	42·7					
					Colmonell	0	34	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	44	42	43·4	SCOTLAND, W.	Lamlash	46	45	45·8
	Kirkwall	43	39	40·4		Ballantrae	45	43	43·7
	Wick	44	44	44·0	ENGLAND, N.W.	Port Erin	48	45	45·9
SCOTLAND, E.	Cromarty	43	38	40·6		Newquay	48	48	48·0
	Pennan Bay	42	39	40·3	ENGLAND, S.W.	Plymouth	48	47	47·5
	Aberdeen, Cove Bay	42	42	42·0		Salcombe	48	45	47·3
ENGLAND, N.E.	Burnmouth, Berwick	41	39	39·6	IRELAND, N.W.	Sheephaven	46	46	46·0
	Scarborough	46	40	41·6		Teelin	46	43	44·8
ENGLAND, E.	Shipwash Lightship	43	39	41·6	IRELAND, S.W.	Cleggan	45	42	44·1
	Margate	45	41	43·6		Seafeld	48	46	46·3
ENGLAND, S.E.	Eastbourne	45	43	44·3	IRELAND, E.				

‡ Only one observation each day.

REGISTERING BALLOON ASCENTS.

PYRTON HILL, OXON, January 6th, 1910, 3.22 p.m.

Height	Pressure.		Temperature.	Height.	Pressure.		Temperature.	Height.	Pressure.		Temperature.
Kilometres.	Mm.	Mgd.	A.°	Kilometres.	Mm.	Mgd.	A.°	Kilometres.	Hm.	Mgd.	A.°
Ground	761	1·014	274·5	4·5	446	·595	261	9·0	238	·318	226
0·5	729	·972	?	5·0	417	·556	258	9·5	221	·294	223
1·0	686	·915	?	5·5	389	·519	255	10·0	204	·272	220
1·5	645	·860	281·?	6·0	364	·485	251·5	11·0	174	·232	214
2·0	616	·821	278	6·5	339	·452	247	12·0	148	·198	208
				7·0	317	·422	243	13·0	125	·167	205
2·5	571	·761	275·5					13·3	119	·159	202
3·0	537	·716	272	7·5	296	·395	238	14·4	100	·133	205
3·5	505	·674	269	8·0	275	·367	234				
4·0	474	·632	265	8·5	256	·341	230				

Balloon fell at Great Missenden distant 22 kilometres, direction 70°. Calm, thick fog. Lowest Temperature 204° at 12·9 kilometres. Ascent and descent traces nearly identical.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°; Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 3.36 a.m. in Portugal; and at 8 a.m. in Spain.

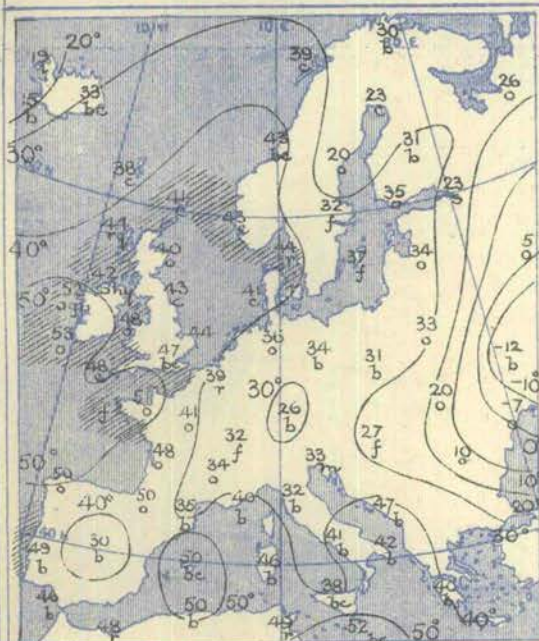
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 9th January, 1910.

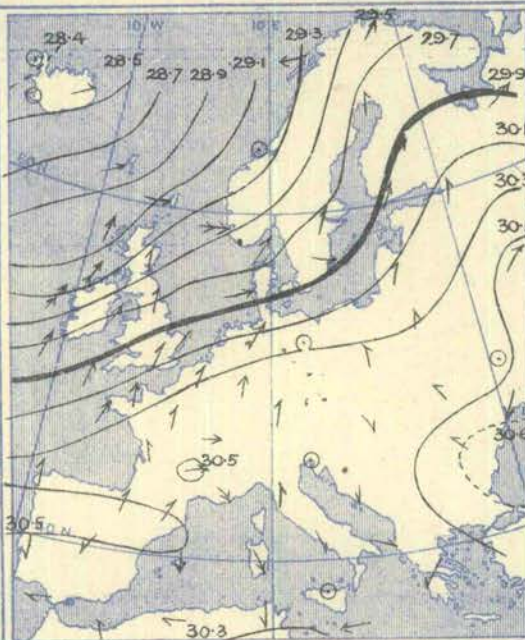
Temperature and Weather.

7 a.m.

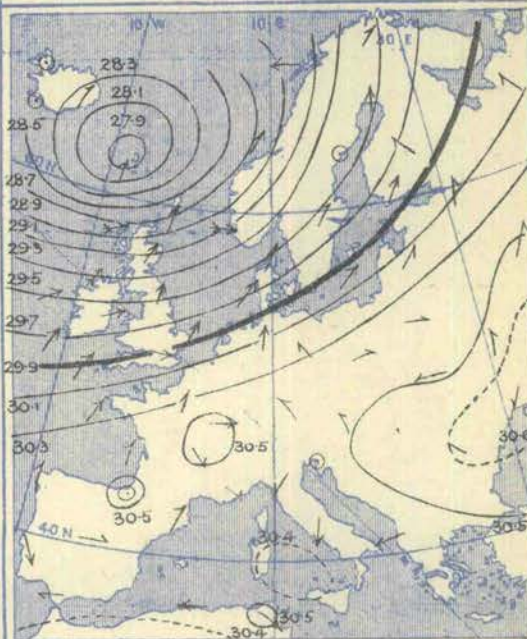


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy at several places in the west and north of these Islands and the northern regions of the Continent, as well as at Le Mans and Brussels; generally fair to fine elsewhere, but rain falling at Tunis and Sfax, and fog prevailing in central Europe. Rain experienced later throughout this country and the north of France, and rain or snow in Scandinavia and Finland. Lightning at night in various parts of Ireland and Scotland.

Temperature changed rather irregularly; fallen in Scotland, risen in England, France, and the Netherlands. Morning readings ranging from above 50° in Ireland and also at a few stations in the extreme south of our area, to below 32° over the main portion of the Continent and also in central Spain, and to many degrees below zero in the south of Russia. Maxima during day between 50° and 57° in the United Kingdom and most parts of France and Italy, about 59° on the coast of Algeria, and 61° at San Fernando and Biskra. No higher than 32° at some places in central Europe.

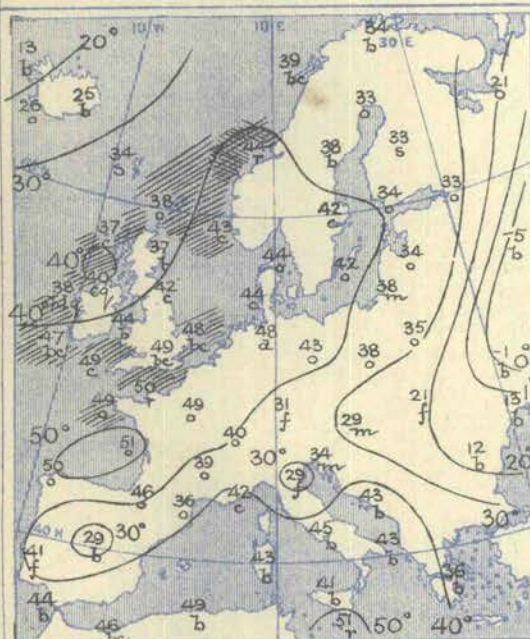
Wind in morning fresh to strong or high from South-West or South over these Islands generally, and strong to a gale on our extreme north-west coasts. Moderate to strong from South-West over the Baltic and most of Scandinavia, and light from some Northerly point over Italy and the Mediterranean. Increasing in force from South-West or West during day over this country generally and also in Norway and the North Sea region; reaching the force of a strong or whole gale on some parts of our north-west coasts by evening or at night.

Barometer in morning ranging from above 30.6 ins. over the Black Sea, and above 30.5 ins. over the northern half of the Spanish Peninsula to below 28.5 ins. in Iceland. Falling very decidedly later over Scotland and Norway, and with great rapidity in the region of the Faeroe. Reading at 6.0 p.m. as low as 27.89 ins. at Thorshavn, and gradient surrounding unusually steep. Reading at Wick an inch higher than that at Thorshavn. Not much modification occurring in the pressure over the southern regions of Europe and the Mediterranean.

Monday, 10th January, 1910.

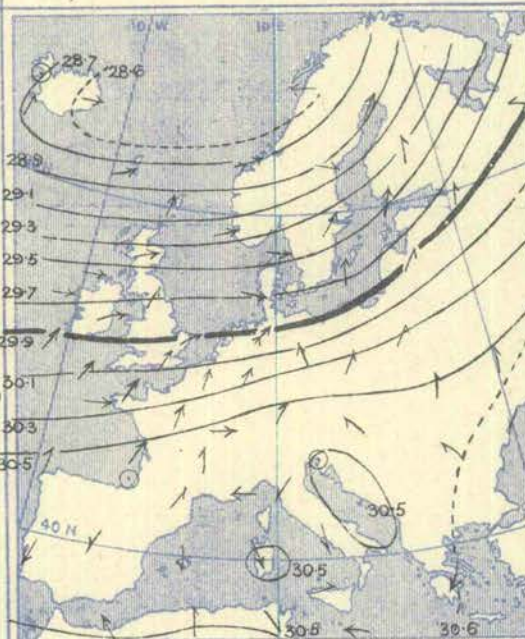
Temperature and Weather.

7 a.m.

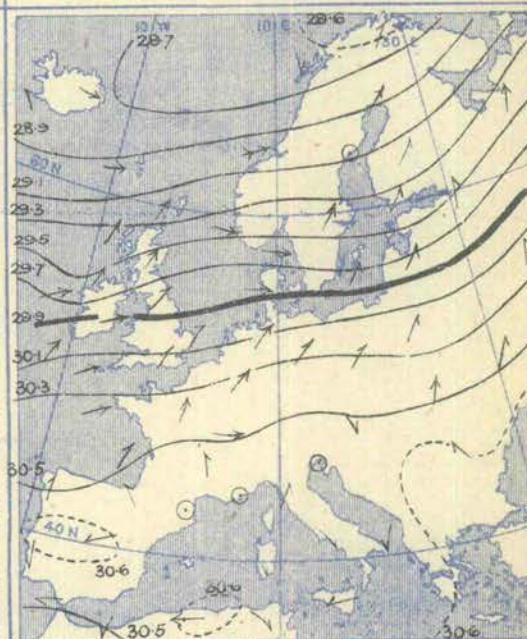


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning variable, rough, and squally over all the northern and north-western countries with showers in some places, snow or sleet in a few districts, and hail at Blackhead Point. Fair to bright at most stations in the south of our area, but rainy at Malta. Rain later in these Islands and the nearer regions of the Continent, and rain or snow in northern Russia, Finland, and Norway. Thunder, lightning, and hail occurring in several parts of this country.

Temperature fallen at many of our own stations, risen over the greater portion of our area. Morning readings below zero in several parts of Russia, and below 32° in the north of Italy, some districts in central Europe, and at Madrid. Above 45° in the southern half of England and at various stations in the far south of our area, and as high as 52° at Malta. Maxima during day again about 50° or higher at some of our own stations, but below 40° in the north-east of Scotland. Thermometer rising to above 50° over the major portion of France and Italy, and touching 61° at San Fernando. Night colder than those immediately preceding in this country.

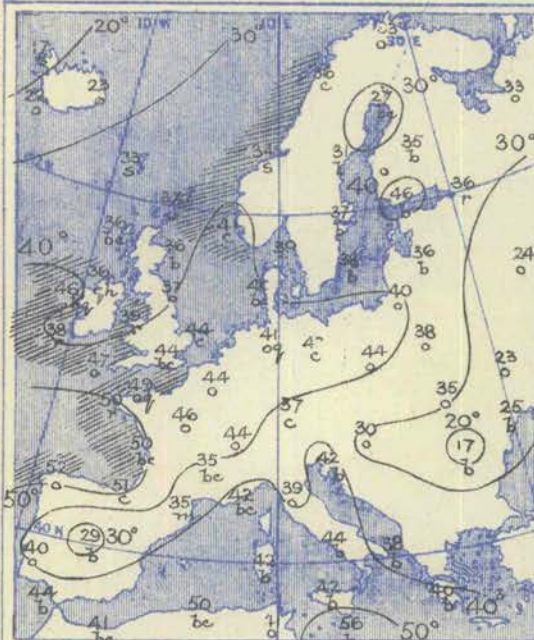
Wind in morning fresh to high from West or South-West over the northern half of our area generally, and strong to a gale at several stations beyond the North Sea. Light or moderate winds from various directions prevailing over the south of Europe and the Mediterranean. Little change during day; backing somewhat in the north-west of Ireland and increasing in force.

Barometer in morning ranging from above 30.6 ins. over the Black Sea region, and above 30.5 ins. over the south of our area generally, to below 28.6 ins. in a large depression between Iceland and northern Norway. Gradient steep or rather steep over a very large area. No great change occurring later in the general distribution, but a fresh fall of the mercury taking place in the north of Ireland by evening, and a decided fall spreading over England during the night. Scarcely any change within the anticyclonic region.

Tuesday, 11th January, 1910.

Temperature and Weather.

7 a.m.

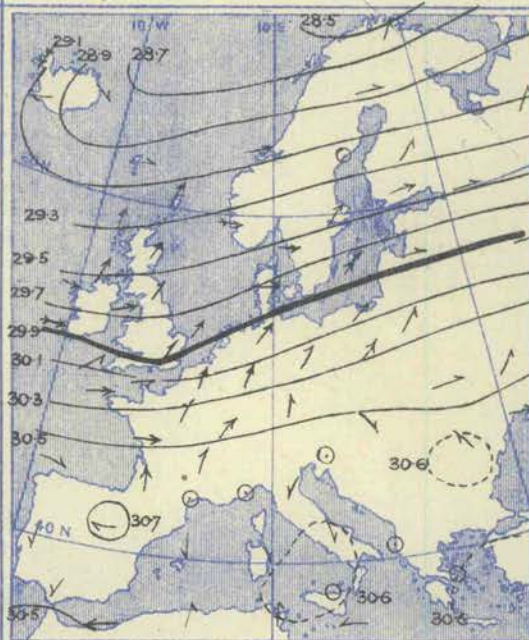


Weather in morning very fine and bright in nearly all places in the south of our area, and also over the Gulf of Bothnia and in Finland. Very unsettled in the north-western countries with squalls and showers of rain or hail in England, Ireland, and Brittany, and of snow in Scotland. Changeable conditions experienced later with various forms of precipitation in these Islands, alternating with bright sunshine; rain or showers falling in France and the Netherlands, and heavy snow in Finland and Northern Russia. Thunderstorms at some of our western stations and also at Brest and Jersey.

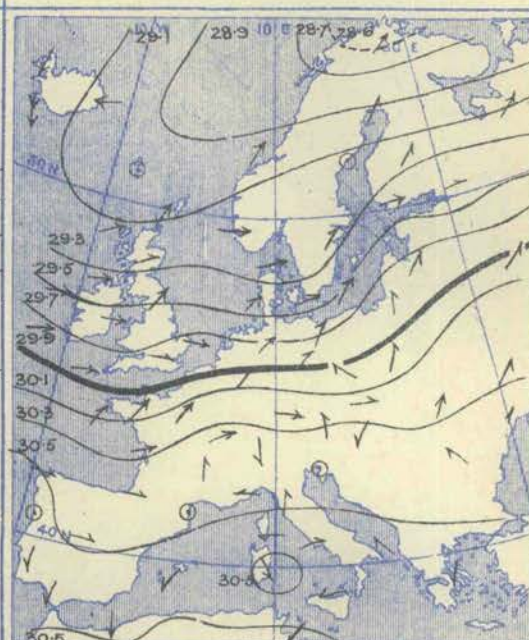
Temperature fallen in the United Kingdom and in most regions of the Continent. Readings in morning ranging from 56° at Malta, and about 50° on the west coast of France and the north coast of Spain, to below 40° generally, and to below 32° at Madrid, Aumale, and over a large area in the east and north-east of the Continent. Maxima during day below 40° in some parts of these Islands, below 32° at Vienna, and only 36° at Turin, but as high as 45° in several parts of Germany, above 50° in most French localities and in the far south of our area, and about 60° in places. Minima during night below 30° in the north of Scotland, and as low as 23° at Aumale.

Barometer and Wind.

7 a.m.



6 p.m.



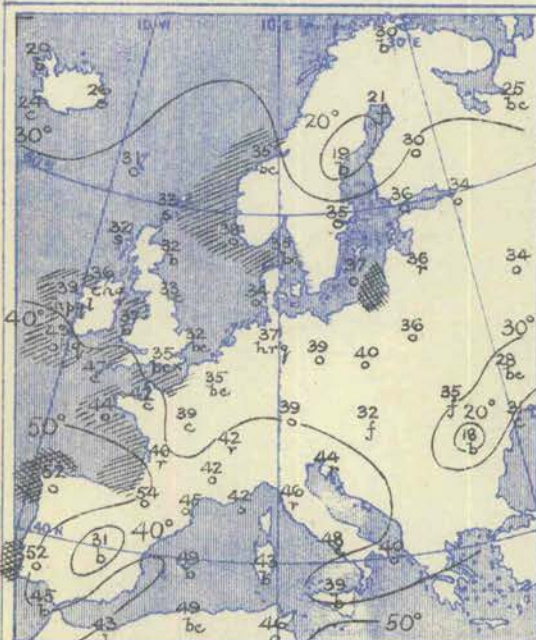
Wind in morning moderate to high from West or South-West over these Islands and the north-western regions of the Continent generally; blowing a gale at Valencia and at Wisby. Strong to a gale from North-East or North in Iceland. Light anticyclonic airs prevailing over the south and south-east of our area. Veering further towards West during day in this country, and increasing to a whole gale at Portland Bill. Not much change elsewhere, but increasing to a gale at the Helder.

Barometer in morning above 30.5 ins. over all the more southern parts of our area, and above 30.6 ins. in large patches. Below 28.5 ins. in the extreme north of Norway, and relatively low in some very small secondary disturbances over the intervening regions. Scarcely any change later in the general distribution of pressure, but a small secondary developing considerable energy over the south-west of England by evening. Barometer falling somewhat within the high pressure region, rising in Iceland.

Wednesday, 12th January, 1910.

Temperature and Weather.

7 a.m.

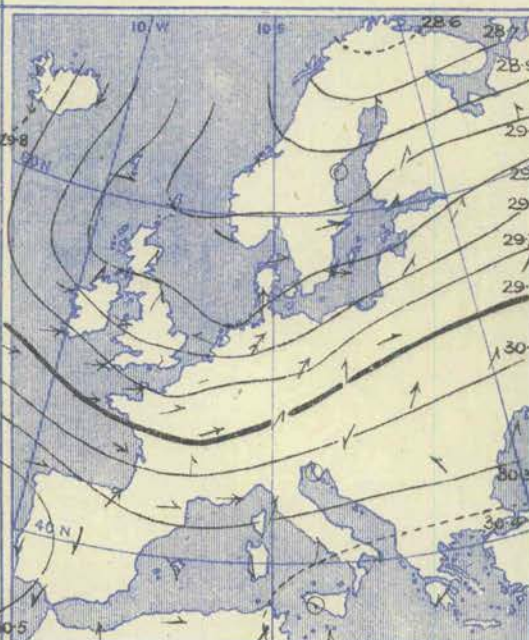


Weather in morning varying greatly; fine and bright in some districts both in the north and south of our area, hail showers falling at some of our own western stations, and rain or hail at Frankfort and Cuxhaven, snow in the Hebrides and Shetland, and rain in the west of France and north of Italy, as well as at Oran. Rain, hail, sleet, or snow experienced later in nearly all parts of these Islands, with thunder and lightning in some parts of Lancashire. More or less precipitation over the greater portion of our area, about an inch at Christiansund, Trieste, and Nicolaieff, and nearly 2 ins. at Malta.

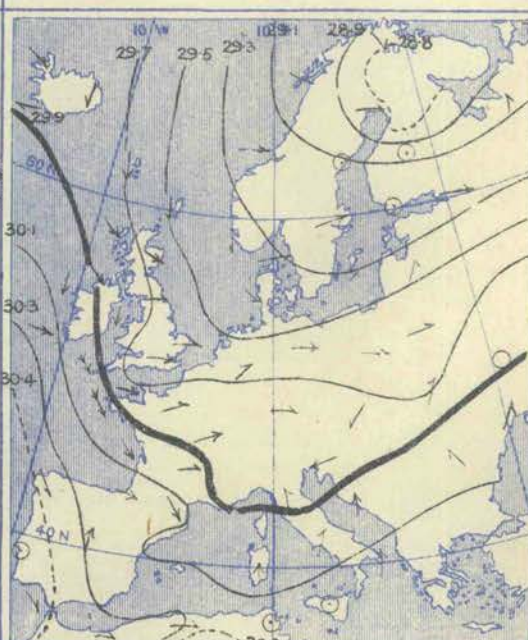
Temperature fallen in most regions, risen in Italy and some other parts of southern Europe and also in the south of Russia. Readings in morning ranging from above 50° at some places on the shores of the Mediterranean and on the west and north coast of the Peninsula, to below 40° generally, and to below 32° over a considerable area in the north and east of Europe, as well as in the north of Scotland. Remaining below 32° all day at Wick, and below 40° in many parts of Great Britain, as well as at some stations in central Europe and at Turin; rising to about 55° at some places in the far south, and to about 60° at Malta and in Algeria. Frost at night over these Islands.

Barometer and Wind.

7 a.m.



6 p.m.



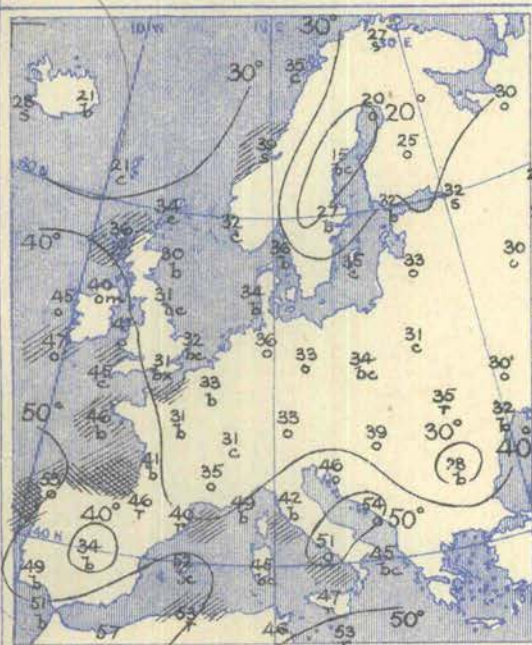
Wind in morning between North-West and West or South-West over the northern half of our area generally, but Northerly in Iceland, and Southerly in Finland. Strong or high over a large area, and blowing a gale at the mouth of the Elbe and Brest. More variable over the south of Europe and the Mediterranean, but mainly from some Westerly point: strong in the south-west of France. Veering towards North-West during day in most parts of these Islands and increasing to a gale on our south-west coast.

Barometer in morning above 30.5 ins. in the south-west of our area, and not much lower in the south-east; below 28.5 ins. in the extreme north of Scandinavia, and relatively low over these Islands and the North Sea region. Rising quickly in the west and north of this country during day, and falling very decidedly in the south of France and its vicinity. General distribution undergoing considerable modification in the west and south of our area. A fresh fall of the mercury setting in over Iceland by evening.

Thursday, 13th January, 1910.

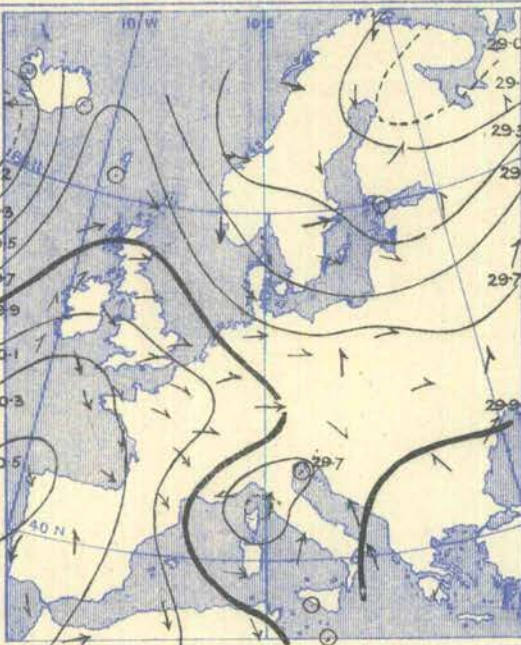
Temperature and Weather.

7 a.m.

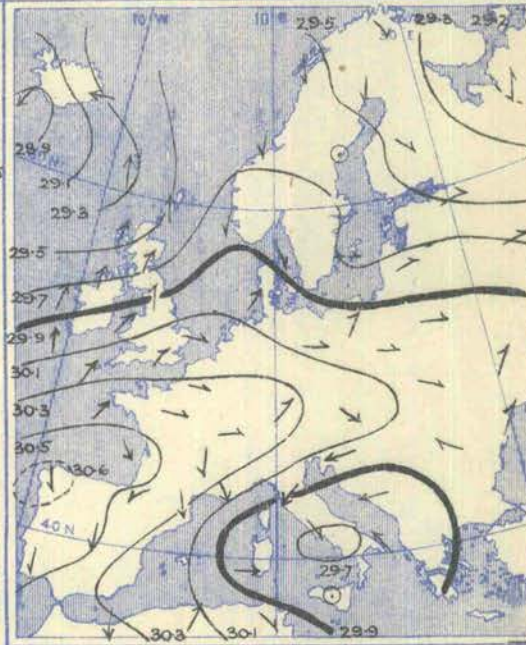


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine in most parts of these Islands, France, and over a large area in northern Europe; rough and unsettled, with rain in places, over the Mediterranean region, and mostly overcast, with some rain and snow in the central countries. Rain experienced later over the major portion of our area; amounts slight generally, but rather heavy in Norway, Shetland, and the Hebrides, and also at Brindisi, Malta, and Tunis.

Temperature fallen in most regions, risen in Ireland. Morning values ranging from 50° or above at some stations in the extreme south, to below 32° at most places in the east and north-east of our area, and in some localities elsewhere. Rising quickly over these Islands later and touching 50° in several places and also in the west of France. Maxima about 60° at a few stations in the far south of our area, but only 52° at Palermo, and 51° at Rome. Thermometer remaining below 40° over the greater part of central Europe.

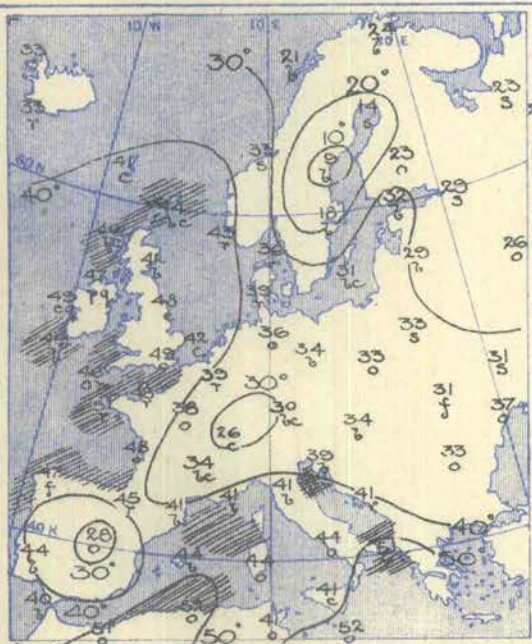
Wind in morning Southerly in the west of Ireland, but North-Westerly over England and France, as well as over a large portion of northern Europe; moderate generally, but strong at Blacksod Point and blowing a gale at Christiansund. A complete cyclonic circulation of considerable strength prevailing over Italy and its vicinity. Backing to South-West or West later over these Islands and the North Sea; increasing to a gale from South-West at Palma and becoming high from the North-Eastward on the Adriatic. Strong winds or gales from between East and North all day in Iceland.

Barometer in morning above 30.4 ins. over the Bay of Biscay region; below 29.7 ins. in a depression over northern Italy, and less than 29.2 ins. in a fresh system off the south-west of Ireland; below 29.0 ins. in the far north of Russia and Finland. Western depression extending steadily eastward during day and gradient increasing over the United Kingdom and its neighbourhood. Italian disturbance travelling southward and undergoing considerable modification in form. Gradient becoming steeper in some parts of southern Europe.

Friday, 14th January, 1910.

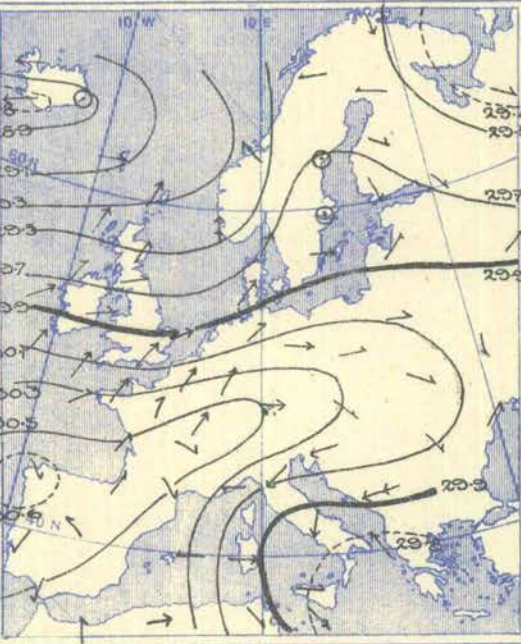
Temperature and Weather.

7 a.m.

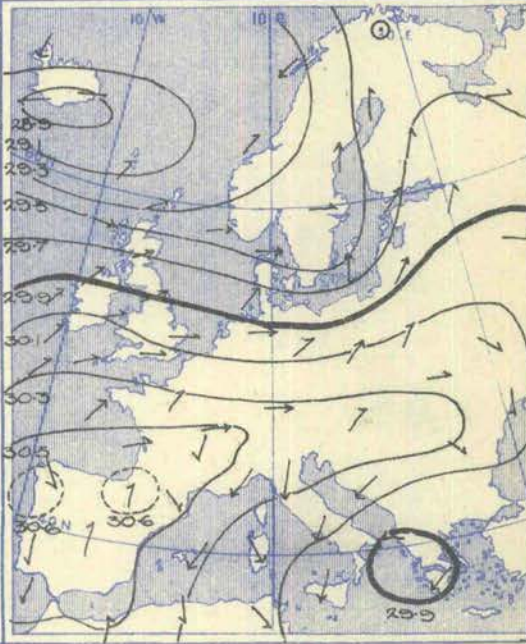


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning unsettled, with much cloud over our area as a whole. Rain or passing showers falling in places over these Islands and the adjacent portion of the Continent, as well as in various parts of southern Europe, and snow in some northern localities. Some rain later in this country, and rain or snow over the central and northern regions of the Continent. As much as 1.2 in. of rain falling at Athens. Thunderstorms occurring in some Scottish localities.

Temperature risen quickly over this country, the North Sea, and northern France, fallen or changed irregularly elsewhere. Readings in morning much below 32° in Sweden and some degrees below it in the north and east of Europe generally, as well as in Bavaria and the east of France and at Madrid. Nearly 50° over the west and south of this country and a degree or two above that figure at a few stations in the extreme south of our area. Maxima during day above 50° in several parts of Ireland and England; as high as 57° at Torquay. Thermometer touching 60° at a few places in the far south of our area, but only rising to a little above 32° in Austria, and slightly above 40° in Germany.

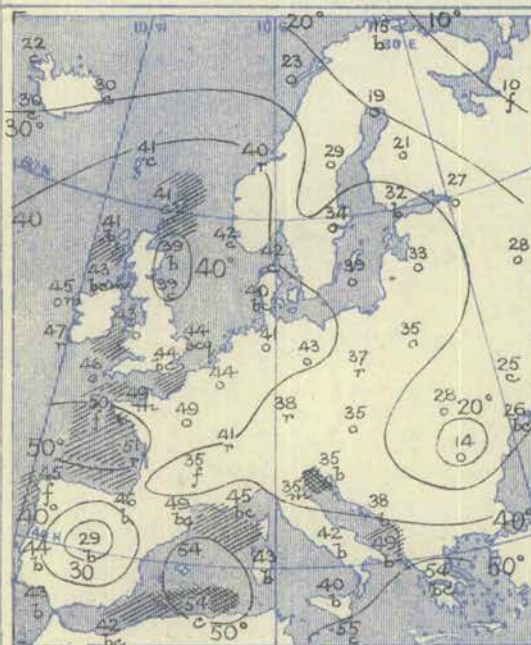
Wind in morning moderate to strong from between South-West and South over the United Kingdom and north-western Europe generally, and blowing a gale at Skudesnaes. Strong winds or gales from North or North-East prevalent over Italy and the Adriatic and on the Algerian coast. No change of importance later in day.

Barometer in morning above 30.6 ins. in the south-west of our area, and decreasing to below 29.8 ins. in a depression over the south of Iceland and its vicinity. Below 29.3 ins. in a depression over the south of Italy, and below 29.4 ins. in another system over the White Sea. Scarcely any modification occurring in the general distribution of pressure during day. Anticyclone maintaining its position, and main depression moving slowly eastward.

Saturday, 15th January, 1910.

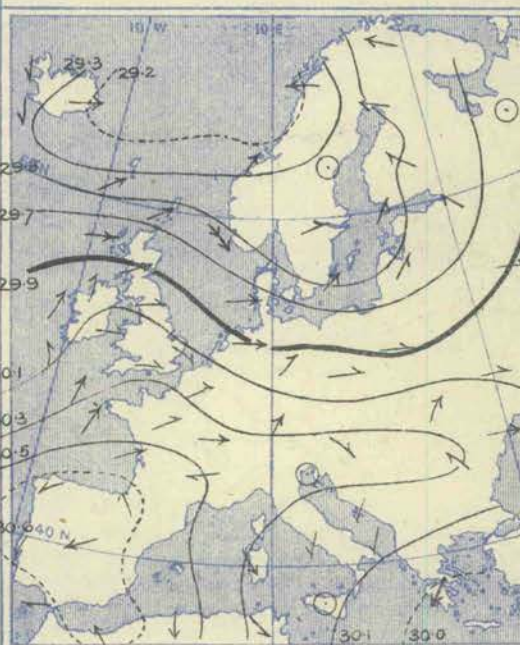
Temperature and Weather.

7 a.m.

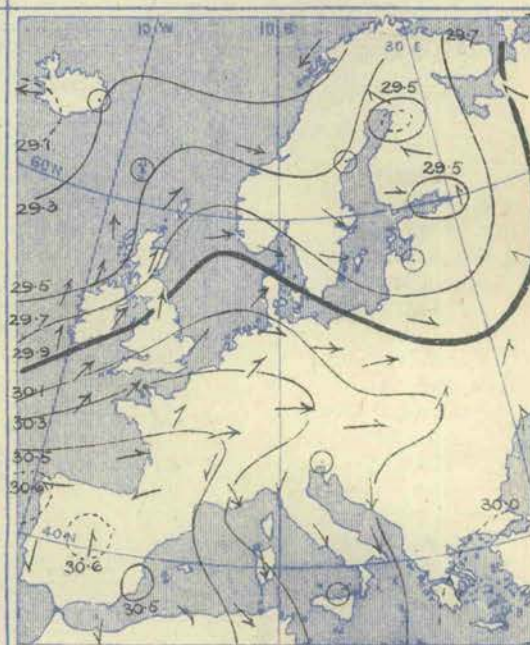


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very variable over all the more northern regions; temporarily fair to fine in places, but very cloudy in several localities, and showery over a large area. Generally fair to bright over southern Europe and the Mediterranean, but rainy at Turin and also at Athens. Rain later throughout the United Kingdom, and rain or snow in central and northern Europe; amounts not large generally, but as much as 1·7 in. at Laudale and 2·07 in. at Stonyhurst.

Temperature risen in central Europe and Scandinavia, fallen in most other districts. Morning readings below 29° in the north-east of Russia and below 32° in the north and east of our area generally, as well as in some small patches elsewhere. Above 45° in the south and south-west of these islands, and 50° or above at some places in the extreme south of our area. Maxima during day above 60° at most of our own stations, in France, and Italy, and above 60° in some parts of Spain and Algeria, but below it in the central countries, and below 32° in Russia.

Wind in morning Southerly in Ireland, Westerly to North-Westerly over Great Britain and the North Sea region, Southerly over the Gulf of Finland, and Easterly in the north of Scandinavia; moderate as a whole, but fresh to strong in places, and blowing a gale at Skudenæs. Light to fresh or strong Northerly breezes prevailing over the Mediterranean. Backing to the Southward over the whole of this country during day, and increasing in force at some western stations. Little change elsewhere.

Barometer in morning above 30·6 ins. over the Spanish Peninsula and relatively high in a band extending thence to the Black Sea. Below 29·2 ins. in a large depression between Norway and Iceland. A fresh fall of the mercury in progress in the west of Ireland. Pressure decreasing very briskly during day in the west of these islands and slowly in Iceland. The high pressure system maintaining its position over the Spanish Peninsula and its vicinity, but mercury falling decidedly over the area between the Adriatic and the Black Sea.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Jan. 10th, 9.58 a.m. to 10.53 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	280°·5 90% 225°, 7	280° 90% 235°, 13	279° 80% 250°, 17	277° 70% 270°, 19			} 1,000	{ Clear, after wet and squally night. Very gusty.	
2	Jan. 11th, 10.15 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	279°·5 80% 250°, 11	280°, 18	270°, 19			270°, 19			} 600	{ Record lost. Wind estimated from pull of kite. Very squally. Clouds not reached.
3	Jan. 13th, 10.40 a.m. to 11.50 a.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	275° 90% 230°, 4		273°·5 80% 350°, 10			273° 80% 350°, 10	} 600	{ Almost clear. Very little cirrus, moving rapidly from 320°.	
4	Jan. 14th, 9.57 a.m. to 10.30 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	283° 90% 235°, 10	283° 90% 245°, 14	283° 100% 250°, 17			281° 80% 260°, 19			} 900	Overcast to clear. Clouds at 400 m.
5	Jan. 15th, 11.0 a.m. to 12.0 a.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	279°·5 100% 280°, 5						}	{ Scud at 350 m. The clock stopped, but an inversion with great dry- ness is shown.	

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5
No. of Kites ..	1	1	1	1	1
Area of Surface (metres) ..	4	4	7	4	7
Length of Wire (metres) ..	3,800	600	1,300	1,000	1,000

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 3.

THIRD WEEK, SUNDAY, JANUARY 16TH, TO SATURDAY, JANUARY 22ND, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—The general condition was very variable; rain fell frequently over Ireland, Scotland, and all the western and southern counties of England, and on several occasions in the central and eastern parts of England also. Nearly every locality, however, experienced some very bright periods, and in most places the actual amount of precipitation was slight, a fair proportion consisting of hail or snow. Thunder and lightning occurred in the north and north-west and at Scilly early in the week, and either thunder or lightning was experienced at Morpeth and Epsom later.

Temperature was above the average in England E. and S.E., and also in the English Channel, but below it elsewhere, the deficit being about $2\frac{1}{2}^{\circ}$ in Ireland, more than $3\frac{1}{2}^{\circ}$ in Scotland E. and W., and as much as $4\cdot7^{\circ}$ in Scotland N. The highest of the maxima were registered very generally on Sunday, and ranged from 55° in the Midland Counties and England E., to 48° in Scotland N. The lowest of the minima, which occurred nearly everywhere on Friday or Saturday, ranged from 11° in Scotland E. (at Balmoral on Friday), 18° in Scotland W. and 19° in Scotland N. to 25° in England E., and to 33° in the English Channel. The lowest grass minima recorded were 9° at Balmoral, 11° at West Linton, 13° at Aspatria and Llangammarch Wells, 14° at Cambridge, and 15° at Hereford, Newton Rigg and Burnley.

Mean Temperature of the Sea.—At most stations the water was colder than during the corresponding week of last year, but generally the difference was small. The means for the week ranged from 48° at Newquay and 47° at Plymouth and Salcombe, to about 40° on the east coast of Scotland and to 38° at Burnmouth.

Rainfall varied a good deal in different localities. Over the United Kingdom generally it differed but little from the average, but in England S.W., Ireland N. and the English Channel there was a rather large excess. As much as 1·69 inch fell at Fort William on Sunday.

Bright Sunshine was above the average in all districts except the English Channel. The percentage of possible duration ranged from 48 in England N.E., 42 in Scotland E., and 37 in Ireland S. to 23 in England S.W., and to 21 in the English Channel.

Barometer and Wind.—During the earlier days of the week the distribution of pressure was favourable for fresh to high winds between S.W. and W. Later on the isobars assumed a more westerly trend, and the wind veered somewhat, while towards the end of the period, when pressure had become relatively low over the North Sea region and high on the Atlantic off Ireland, a current of air from between N.W. and N. set in over these islands.

THE WEEK.

DISTRICTS OF THE BRITISH ISLES.													
For explanation of the terms "Unusual," &c., see p. 28.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Moderate
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy
	Sunshine ...	Very abundant	Very abundant	Very abundant	Abundant	Very abundant	Abundant	Very abundant	Very abundant	Moderate	Abundant	Very abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 7 weeks from Dec. 5th, 1909.	Warmth ...	1 * 4	2 * 3	2 * 2	2 * 0	2 * 1	2 * 2	2 * 3	3 * 2	2 * 3	2 * 3	2 * 3	2 * 3
		3 * 1	3 * 2	2 * 1	3 * 1	4 * 1	2 * 2	3 * 1	4 * 1	4 * 2	3 * 3	2 * 3	2 * 3
	Sunshine ...	5 * 1	4 * 0	3 * 2	4 * 2	4 * 2	4 * 2	2 * 1	3 * 0	1 * 1	2 * 4	2 * 0	0 * 3

PAST SEASONS.

WINTER, 1908-9. Nov. 29th-Mar. 6th. 14 weeks.	Warmth ...	3 * 2	3 * 2	2 * 7	4 * 6	2 * 6	4 * 6	3 * 2	4 * 6	4 * 6	6 * 1	4 * 2	5 * 5
		2 * 6	3 * 5	1 * 6	3 * 7	3 * 7	4 * 8	4 * 3	2 * 6	4 * 8	3 * 4	3 * 6	5 * 8
	Sunshine ...	6 * 2	5 * 3	3 * 3	4 * 6	4 * 6	5 * 4	4 * 2	8 * 1	6 * 2	4 * 5	2 * 4	6 * 3
SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
		3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
		2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
		5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
		5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

THIRD WEEK—January 16th to January 22nd, 1910.

DISTRICTS. (See Frontispiece map.)		THIRD WEEK—January 16th to January 22nd, 1910.																	
		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
		°	°	°	°	°	°	Day-deg. 0	Day-deg. - 7	Day-deg. 55	Day-deg. + 23	6	+ 1	Inches. 1·37	Inches. - 0·08	14	+ 8	% 28	% +17
0. SCOTLAND, NORTH		48	19	33·5	29·4	34·2	- 4·7												
Eastern																			
1. SCOTLAND, EAST		51	11	38·7	29·3	34·2	- 3·9	0	- 8	55	+ 13	5	+ 1	0·70	+ 0·12	21	+ 11	42	+ 22
2. ENGLAND, N.E.		54	21	41·4	32·3	37·0	- 1·9	0	- 8	35	+ 3	4	+ 1	0·25	- 0·15	26	+ 16	48	+ 30
3. ENGLAND, EAST		56	25	43·3	35·1	39·3	+ 1·2	4	- 4	26	- 11	4	+ 1	0·29	- 0·07	19	+ 8	35	+ 14
4. MIDLAND COUNTIES		55	22	42·7	33·2	38·1	- 0·2	2	- 8	32	- 4	4	+ 1	0·47	+ 0·03	20	+ 10	35	+ 18
5. ENGLAND, S.E.		53	24	43·5	36·0	39·9	+ 0·1	4	- 7	23	- 5	4	0	0·47	- 0·02	16	+ 5	27	+ 5
Western																			
6. SCOTLAND, WEST		53	18	41·4	31·6	36·7	- 3·6	0	- 11	37	+ 13	5	+ 1	0·86	- 0·20	18	+ 9	33	+ 17
7. ENGLAND, N.W.		52	21	42·0	34·1	38·2	- 1·3	0	- 9	27	+ 1	6	+ 2	0·69	+ 0·01	19	+ 11	35	+ 20
8. ENGLAND, S.W.		54	20	44·9	37·0	41·1	- 0·5	8	- 9	21	+ 1	6	+ 2	1·15	+ 0·37	13	+ 2	23	+ 4
9. IRELAND, NORTH		50	22	42·7	33·6	38·3	- 2·7	2	- 12	31	+ 9	6	+ 1	1·00	+ 0·24	18	+ 8	33	+ 15
10. IRELAND, SOUTH		54	23	44·8	35·9	40·5	- 2·3	8	- 13	24	+ 8	6	+ 2	0·77	- 0·08	21	+ 9	37	+ 16
11. ENGLISH CHANNEL		53	33	48·4	42·5	45·6	+ 1·2	25	0	0	- 7	7	+ 2	1·37	+ 0·75	12	- 2	21	- 4

THE SEASON (Winter).—Aggregates, &c., for the Period of 7 Weeks, December 5th, 1909 to January 22nd, 1910.

0. SCOTLAND, NORTH	55	11	*	*	*	*	40	- 13	301	+ 74	40	+ 4	10.06	+ 1.08	47	+ 14	15	+ 5
Eastern																		
1. SCOTLAND, EAST	57	0	*	*	*	*	47	- 1	305	+ 25	30	+ 2	4.79	+ 0.43	32	+ 30	25	+ 9
2. ENGLAND, N.E.	56	10	*	*	*	*	58	+ 2	202	- 27	29	+ 4	3.98	+ 0.63	31	+ 23	23	+ 6
3. ENGLAND, EAST	57	18	*	*	*	*	68	+ 6	170	- 93	31	+ 4	3.51	+ 0.57	91	+ 22	24	+ 6
4. MIDLAND COUNTIES	57	8	*	*	*	*	64	- 6	206	- 60	31	+ 5	4.63	+ 1.06	77	+ 18	21	+ 5
5. ENGLAND, S.E.	57	17	*	*	*	*	91	- 6	153	- 40	32	+ 5	4.22	+ 0.38	37	+ 16	23	+ 4
Western																		
6. SCOTLAND, WEST	57	12	*	*	*	*	67	- 8	201	+ 21	31	- 1	8.71	+ 0.74	60	+ 11	17	+ 3
7. ENGLAND, N.W.	56	14	*	*	*	*	74	- 3	155	- 29	35	+ 6	7.47	+ 2.48	70	+ 19	19	+ 5
8. ENGLAND, S.W.	55	9	*	*	*	*	103	- 26	124	- 12	35	+ 5	7.10	+ 0.56	73	0	19	0
9. IRELAND, NORTH	57	12	*	*	*	*	98	+ 5	162	+ 3	37	+ 3	5.89	+ 0.15	61	0	17	0
10. IRELAND, SOUTH	57	8	*	*	*	*	127	- 24	123	+ 8	37	+ 5	5.76	- 1.17	31	+ 6	22	+ 2
11. ENGLISH CHANNEL	56	30	*	*	*	*	180	- 24	34	- 10	39	+ 5	5.08	- 0.53	65	- 23	16	- 7

THE YEAR.—Aggregates, &c., for the Period of 3 Weeks, January 2nd to January 22nd, 1910.

0. SCOTLAND, NORTH	55	19	*	*	*	*	27	+ 8	99	- 6	18	+ 3	5.44	+ 1.76	22	+ 6	16	+ 5
Eastern																		
1. SCOTLAND, EAST	57	11	*	*	*	*	32	+ 14	105	- 19	14	+ 3	2.28	+ 0.56	40	+ 15	27	+ 11
2. ENGLAND, N.E.	56	21	*	*	*	*	29	+ 8	74	- 30	11	0	0.88	- 0.40	44	+ 19	23	+ 12
3. ENGLAND, EAST	57	25	*	*	*	*	37	+ 14	58	- 62	12	+ 1	0.72	- 0.48	44	+ 14	27	+ 8
4. MIDLAND COUNTIES	57	22	*	*	*	*	23	0	69	- 50	12	+ 1	1.36	- 0.09	38	+ 11	23	+ 7
5. ENGLAND, S.E.	57	24	*	*	*	*	46	+ 12	39	- 53	13	+ 2	1.15	- 0.33	36	+ 5	21	+ 3
Western																		
6. SCOTLAND, WEST	57	18	*	*	*	*	36	+ 9	65	- 19	15	+ 2	3.57	+ 0.44	26	+ 3	17	+ 2
7. ENGLAND, N.W.	55	21	*	*	*	*	40	+ 12	46	- 39	15	+ 3	2.88	+ 0.93	31	+ 8	20	+ 5
8. ENGLAND, S.W.	54	20	*	*	*	*	52	+ 3	34	- 32	15	+ 3	2.51	+ 0.04	27	- 5	16	- 3
9. IRELAND, NORTH	55	22	*	*	*	*	50	+ 12	58	- 14	16	+ 2	3.01	+ 0.70	28	+ 1	18	+ 1
10. IRELAND, SOUTH	57	23	*	*	*	*	70	+ 10	34	- 20	17	+ 4	2.43	- 0.33	33	+ 6	23	+ 3
11. ENGLISH CHANNEL	58	33	*	*	*	*	78	+ 3	0	- 25	17	+ 3	2.41	+ 0.30	25	- 16	14	- 9

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (3 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.		Bright Sunshine.					
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).		No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.
						Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°								
0. SCOTLAND, N.	a, Islands.	p Balta Sound	44	16th	28	21st	39.3	35.1	36.3	-	0	7	1.60	9.6	-	22	-	Balta Sound.	
	b, Main-land.	a Sumburgh Head	45	16th	20	22nd	38.4	27.1	33.0	-6.1	0	63	0.79	12.1	+5.8	26	+12	Deerness.	
		a Stornoway	45	16th	28	22nd	39.3	33.4	36.5	-2.6	0	39	1.15	17.4	+10.9	36	+23	Stornoway.	
		a Castlebay, Barra Isd.	46	16th	30	22nd	41.9	34.6	38.4	-3.7	0	25	0.53	16.5	-	33	-	Castlebay.	
		a Wick	45	16th	24	22nd	37.6	30.7	34.3	-3.9	0	54	0.57	-	-	-	-	Strathpeffer.	
		p Strathpeffer	47	16th	25	22nd	39.1	30.8	35.1	-1.7	0	48	0.86	+0.15	15.6	+8.2	31	+16	Strathpeffer.
1. SCOTLAND E. ...	b, Main-land.	p Glencarron	48	16th	22	22nd	38.2	28.1	33.4	-3.2	0	60	0.77	+0.29	-	-	-	-	
		p Fort Augustus	48	16th	19	21st, 22nd	38.0	27.7	33.1	-4.6	0	62	1.46	+0.20	9.6	+5.7	19	+11	Fort Augustus.
		p Fort William	48	16th	19	21st	38.9	28.0	33.7	-5.7	0	58	2.74	+0.62	-	-	-	-	
		p Gordon Castle	49	16th	25	22nd	39.0	30.8	35.1	-3.0	0	48	0.53	+0.05	16.2	-	32	-	Gordon Castle.
		a Nairn	46	16th	27	22nd	37.7	31.3	34.6	-2.8	0	52	0.63	+0.21	14.5	-	29	-	Nairn.
		a Aberdeen	47	16th	27	21st	38.1	32.3	35.3	-2.4	0	47	0.48	+0.04	22.1	+10.7	44	+21	Aberdeen.
2. ENGLAND, N.E.	b, South.	a Balmoral	44	16th	11	21st	40.1	25.0	32.9	-1.3	0	64	0.89	+0.20	20.8	-	42	-	Crathes S.
		p Crieff	46	16th	25	21st	39.3	28.9	34.3	-2.9	0	54	0.85	+0.06	28.3	-	56	-	Balnrdy.
		a Leith	41	16th	28	22nd	40.3	33.1	36.8	-2.3	0	36	0.72	+0.35	22.1	+15.3	43	+29	Edinburgh.
		a West Linton	47	16th	11	21st	35.5	24.3	30.1	-6.1	0	83	1.07	-	19.4	-	37	-	West Linton.
		p Marchmont	46	16th	22	19th	39.9	28.3	34.3	-2.3	0	54	0.45	+0.06	19.3	+9.2	37	+18	Marchmont.
3. ENGLAND, E.	b, South.	a Alnwick Castle	51	16th	21	22nd	40.2	30.9	35.7	-2.5	0	44	0.35	+0.18	33.9	-	64	-	Cockle Park.
		a Shields	52	16th	23	22nd	41.4	30.9	36.4	-2.4	0	39	0.99	+0.27	19.6	+13.6	37	+26	Newcastle.
		p Durham	50	16th	25	22nd	40.4	31.4	36.1	-1.0	0	41	0.17	+0.17	230.5	+20.8	58	+39	Durham.
		p Rounton	51	16th	26	21st, 22nd	40.2	31.2	35.9	-1.1	0	43	0.24	+0.16	-	-	-	-	Scarborough.
		p Scarborough	53	16th	28	21st, 22nd	43.3	32.9	38.3	-0.1	4	34	0.43	+0.01	15.6	-	29	-	York.
		p York	53	16th	27	22nd	42.4	32.9	37.8	-0.2	1	33	0.43	+0.06	21.9	-	-	-	—
4. MIDLAND COUNTIES.	b, West.	a Spurn Head	52	16th	31	21st, 22nd	40.9	35.0	38.1	-0.5	0	27	0.16	+0.12	-	-	-	-	—
		a Lincoln	54	16th	25	22nd	42.4	32.4	37.6	+0.4	1	35	0.19	+0.18	26.6	-	48	-	Skegness.
		a Fulbeck	53	16th	25	22nd	41.5	33.2	37.5	+0.1	0	32	0.15	+0.23	23.1	-	42	-	Rauby.
																		—	—
		p Cromer	53	16th	33	21st, 22nd	44.0	36.8	40.5	+3.6	6	20	0.18	-	—	—	—	—	—
		p Hillington	53	16th	27	21st, 22nd	42.0	33.9	38.1	+1.4	0	27	0.20	+0.25	18.5	+7.9	33	+14	Hillington.
5. ENGLAND, S.E. ...	b, West.	a Yarmouth	52	16th	29	22nd	43.1	35.7	39.6	+2.2	3	24	0.24	+0.13	24.8	-	44	-	Yarmouth.
		a Norwich	53	16th	29	22nd	42.3	34.9	38.8	+1.6	1	26	0.39	-	-	-	-	-	—
		p Geldeston	53	16th	27	22nd	44.6	35.1	40.0	+2.3	7	27	0.25	+0.09	21.0	+8.8	38	+16	Geldeston.
		p Cambridge	55	16th	25	22nd	43.7	33.9	39.0	+1.5	5	31	0.29	+0.02	17.0	+5.5	30	+10	Cambridge.
		a Felkstone	50	16th	26	22nd	42.7	35.0	39.0	+0.8	2	26	0.31	-	20.0	-	36	-	Felkstone.
		a Clacton-on-Sea	48	16th	27	22nd	42.1	35.7	39.0	+0.9	0	23	0.41	-	17.8	-	31	-	Clacton.
6. ISLE OF MAN	b, West.	a Rothamsted	52	16th, 17th	25	22nd	43.5	33.4	38.7	+1.5	4	33	0.45	+0.00	18.0	+7.0	32	+12	Rothamsted.
		a Shoeburyness	51	16th	27	22nd	42.9	35.7	39.4	+0.8	3	23	0.13	+0.15	15.7	-	23	-	Southend.
		p Tottenham	53	16th	27	22nd	44.3	36.2	40.4	+1.7	6	23	0.20	-	14.2	-	25	-	Tottenham.
																		—	—
		a Harrogate	50	16th	25	22nd	40.2	31.1	35.8	-1.0	0	43	0.86	+0.36	29.3	-	54	-	Harrogate.
		a Bawtry	52	16th	24	22nd	41.4	32.9	37.3	-0.4	0	33	0.19	+0.18	19.9	+11.6	36	+21	Worksop.
7. ENGLAND, N.W. ...	b, West.	p Buxton	48	16th	23	21st, 22nd	38.2	30.4	34.5	-0.8	0	53	1.11	+0.04	18.1	-	33	-	Buxton.
		a Nottingham	54	16th	27	22nd	42.7	33.7	38.4	+0.7	2	31	0.21	+0.20	15.5	-	23	-	Nottingham.
		p Birmingham	50	16th	26	22nd	41.3	33.9	37.8	+0.1	0	29	0.46	+0.02	12.7	-	23	-	Birmingham.
		a Raunds	55	16th	23	22nd	43.0	32.3	37.9	+0.9	3	36	0.38	-	-	-	-	-	—
		a Oxford	53	16th	26	22nd	43.3	35.0	39.3	+0.4	4	26	0.28	+0.11	20.8	+10.0	37	+18	Oxford.
		a Cheadle	49	16th	22	22nd	40.1	30.6	35.5	-1.1	0	46	0.58	+0.03	24.4	-	44	-	Sheffield.
8. ENGLAND, S.W. ...	b, West.	p Shrewsbury	53	16th	26	22nd	44.9	34.4	39.9	+1.7	8	30	0.38	-	-	-	-	-	—
		a Hereford	51	16th	27	22nd	43.6	33.9	38.9	+0.7	4	31	0.56	+0.06	-	-	-	-	—
		a Cirencester	53	16th	23	22nd	44.0	31.8	38.1	+0.9	6	39	0.34	+0.17	17.7	+7.1	31	+13	Cirencester.
		a Bath	54	16th	26	22nd	45.4	35.4	40.6	+1.2	10	27	0.89	+0.36	17.0	-	30	-	Bath.
																		—	—
		p Kew	53	16th	27	22nd	43.8	36.1	40.1	+1.2	5	23	0.22	+0.15	15.8	+6.4	28	+11	Kew.
9. IRELAND, N.	b, East.	a Marlborough	51	16th	24	22nd	43.3	33.7	38.7	+1.3	4	31	0.77	+0.22	16.4	+6.9	29	+12	Marlborough.
		a Margate	52	16th	30	22nd	43.6	36.8	40.3	+1.3	4	20	0.22	+0.15	12.1	+1.4	21	+2	Margate.
		a Wisley, Surrey	52	16th	24	22nd	43.5	35.7	39.8	+0.6	4	25	0.16	-	18.1	-	32	-	Wisley.
		a Swaraton	50	16th	25	22nd	42.2	34.3	38.4	+0.9	1	28	0.53	+0.02	17.6	-	30	-	Worthing.
		a Tunbridge Wells	50	16th	25	22nd	41.7	35.0	38.5	+1.0	0	25	0.25	+0.33	13.6	+3.0	24	+5	Tunbridge Wells.
		a Dungeness	51	16th	26	22nd	43.4	37.1	40.4	+1.2	4	19	0.59	+0.19	12.6	-	22	-	Littlestone.
10. IRELAND, S.	b, West.	p Hastings	50	16th	28	21st, 22nd	43.1	36.3	39.8	+0.4	3	21	0.54	+0.03	16.0	+2.4	23	+4	Hastings.
		p Southampton	51	16th	27	22nd	44.3	36.6	40.6	+0.6	6	22	0.68	+0.12	15.2	+3.6	26	+6	Southampton.
		a Ventnor	50	16th	28	22nd	44.1	38.5	42.5	+0.8	18	10	0.71	+0.15	18.1	+5.1	31	+9	Ventnor.
																		—	—
		a Westminister	54	16th	29	21st, 22nd	44.4	36.7	40.7	+1.9	7	21	0.26	+0.12	6.3	+2.0	11	+4	Westminister.
		a Greenwich	53	16th	27	22nd	43.2	36.0	39.7	+1.0	3	23	0.21	+0.15	10.8	+1.6	19	+3	Greenwich.
11. ENGLISH CHANNEL ...	b, West.																	—	—
		a Laundale																	

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	37.0	—	Harrogate	5	20	38.8	40.9	6. Dumfries	4	19	37.3	40.9
1. Aberdeen	—	—	—	39.1	Huddersfield	2	21	38.2	41.5	Douglas	2	25	—	—
Crathes	5	16	34.2	37.2	Buxton	6	17	38.3	42.1	Aspatia	3	13	—	—
Balmoral	7	9	—	—	Sheffield	7	18	38.1	42.0	Newtown Rigg	4	15	38.4	40.7
West Linton	5	11	—	—	Nottingham	5	20	37.5	40.9	Burnley	2	15	38.1	41.7
Marchmont	5	20	35.3	—	Birmingham	2	21	40.2	44.1	Southport	2	16	38.1	40.9
Cockle Park	5	20	35.9	39.8	Oxford	2	18	—	—	Manchester City	2	24	39.0	43.7
Durham	4	20	—	—	Hereford	6	15	—	—	Bettws-y-Coed	2	25	40.9	44.0
York	—	—	38.8	42.1	Cirencester	3	20	—	—	Llangammarch Wells	2	13	40.8	44.8
Hull	4	22	37.6	42.7	Bath	—	—	42.2	44.9	Cardiff	3	22	41.1	44.3
Lincoln	—	—	37.5	41.5	Margate	1	29	41.5	43.7	Clifton	2	23	—	—
Raunceby	4	21	39.2	43.1	Greenwich	3	18	—	—	Plymouth	2	25	43.5	—
Norwich	4	23	—	—	Westminster	3	22	—	—	Armagh	3	17	40.1	43.9
Yarmouth	—	—	37.9	42.9	Kew	3	16	40.8	45.0	Markree	4	14	39.7	44.7
Lowestoft	3	23	38.7	42.4	Canterbury	3	21	41.6	43.9	10. Dublin, Trin. Coll. ..	3	21	40.5	44.0
Cambridge	6	14	39.2	43.1	Tunbridge Wells	3	18	39.6	—	11. Guernsey, Brooklyn	1	30	45.3	47.0
Clacton-on-Sea	3	22	41.2	44.9	Wisley	3	17	40.2	44.0					
Southend	3	24	40.7	—	Worthing	3	22	41.1	44.8					
Tottenham	2	20	—	44.4	Portsmouth	2	23	42.2	45.9					
					Glasgow	4	18	—	—					
					Rothsay	—	—	—	42.0					
					Colmonell	2	23	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	42	41	41.9	SCOTLAND, W.	Lamlash	46	45	45.2
	Kirkwall	41	37	39.5		Ballantrae	44	42	43.0
	Wick	44?	44?	44.0?	ENGLAND, N.W.	Port Erin	46	44	45.3
SCOTLAND, E.	Cromarty	42	38	39.6		Newquay	48	48	48.0
	Pennan Bay	41	38	39.8	ENGLAND, S.W.	Plymouth†	47	46	46.9
	Aberdeen, Cove Bay	41	40	40.6		Salcombe	48	46	47.0
ENGLAND, N.E.	Burnmouth, Berwick	40	37	38.3	IRELAND, N.W.	Sheephaven	46	44	45.3
	Scarborough	45	39	40.7		Teelin	44	40	42.8
ENGLAND, E.	Shipwash Lightship	43	40	41.7	IRELAND, S.W.	Cleggan	45	40	42.6
	Margate†	44	41	42.5	IRELAND, E.	Seafield	48	44	46.5
ENGLAND, S.E.	Eastbourne†	45	43	44.0					

† Only one observation each day.

REGISTERING BALLOON ASCENTS.

PYRTON HILL, OXON, January 6th, 1910, 7.0 a.m.

Height	Pressure.		Temperature.		Height.	Pressure.		Temperature.		Height.	Pressure.		Temperature.	
Kilometres.	Mm.	Mgd.	C.°	A.°	Kilometres.	Mm.	Mgd.	C.°	A.°	Kilometres.	Mm.	Mgd.	C.°	A.°
Ground	760	1.013	1.5	274.5	2.0	607	.809	5.0	278	3.5	505	.674	-5.°	269
0.5	729	.972	8.5	281.5						4.0	473	.631	-7.°	266
1.0	685	.914	10.5	283.5	2.5	591	.761	1.°	274	4.5	445	.594	-9.°	264
1.5	645	.860	8.5	281.5	3.0	537	.716	-2.°	271					

NOTE.—Balloon fell at Ibstone distant 9 km., direction 95°. Balloon rose vertically and was lost at once in the fog. Maximum temperature 285° at 0.8 km. Maximum height 4.8 km. 263°.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: $\circ$ = blue sky; $\circ$ = detached cloud; $\circ$ = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 16th January, 1910.

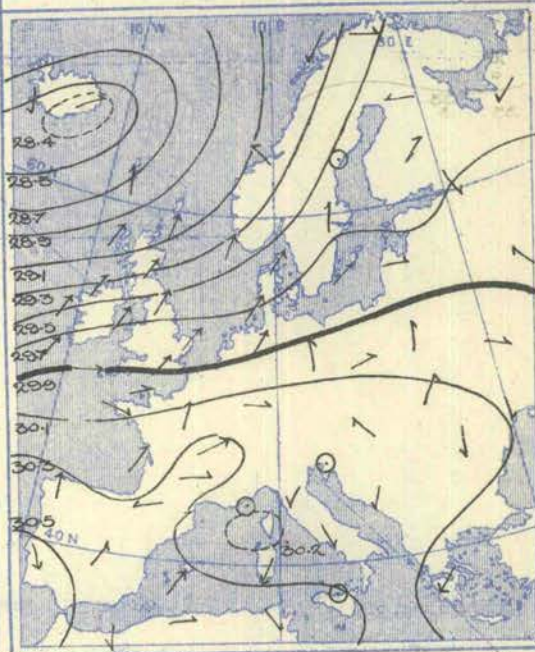
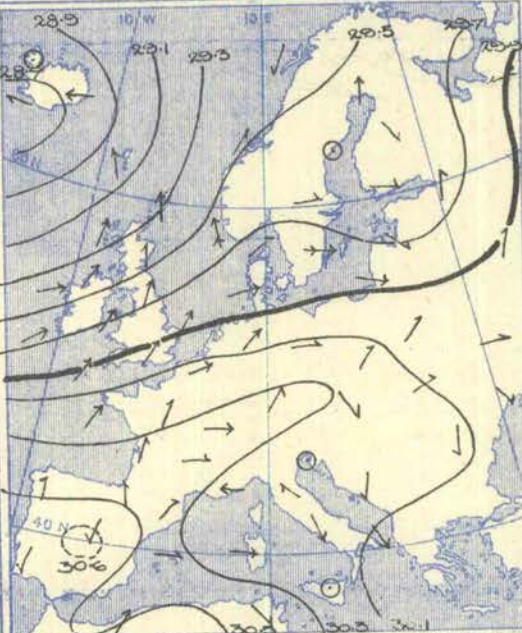
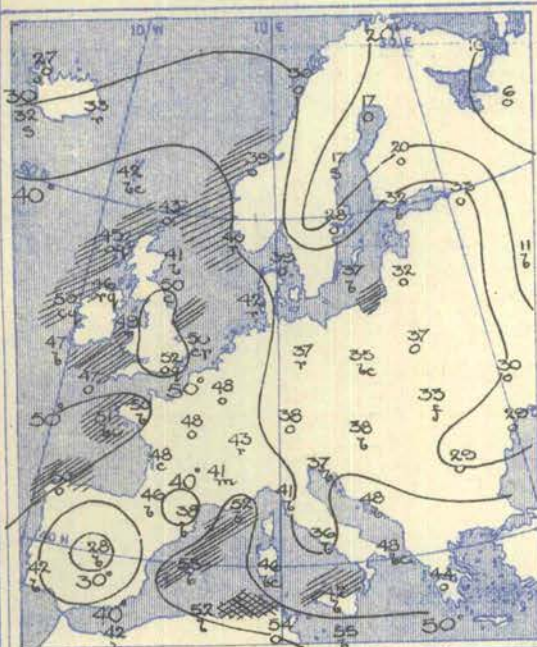
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning unsettled, with much cloud and some rain in places over these Islands and the adjacent portion of the Continent. Fair to very fine and bright in most other regions, but dull in central Europe. More or less precipitation later throughout the United Kingdom, as well as over a large area in the northern half of the Continent. Continuing fine elsewhere.

Temperature risen in this country, fallen in the north and east of the Continent. Morning readings ranging from about 55° at a few places in the extreme south of our area, and about 50° in England, to below 40° over the greater portion of the Continent, and to below 32° in the east and north, and also in central Spain. Maxima during day above 50° at nearly all our own stations and in France, and above 60° in some extreme southern localities, but only 46° at Athens.

Wind in morning fresh to high from the South-Westward over these Islands, the north of France, and the Netherlands, and strong to a gale from the Southward on the south coast of Norway. Light or moderate breezes from some Westerly point over Germany and the Baltic, and moderate to strong from the North-Westward over Italy and the Mediterranean. No change of a general character during day; increasing somewhat in force on our west and north-west coasts.

Barometer in morning above 30.5 ins. in Spain and Portugal; below 28.7 ins. in a large depression having its centre to the south-west of Iceland, and relatively low in a disturbance over Finland. Main low pressure moving eastward later and barometer falling to below 28.4 ins. in the south-east of Iceland and the adjacent part of the ocean. Gradient increasing over the northern half of these Islands and off the north of Scotland. Pressure decreasing somewhat over the Spanish Peninsula, but increasing at the Azores.

Monday, 17th January, 1910.

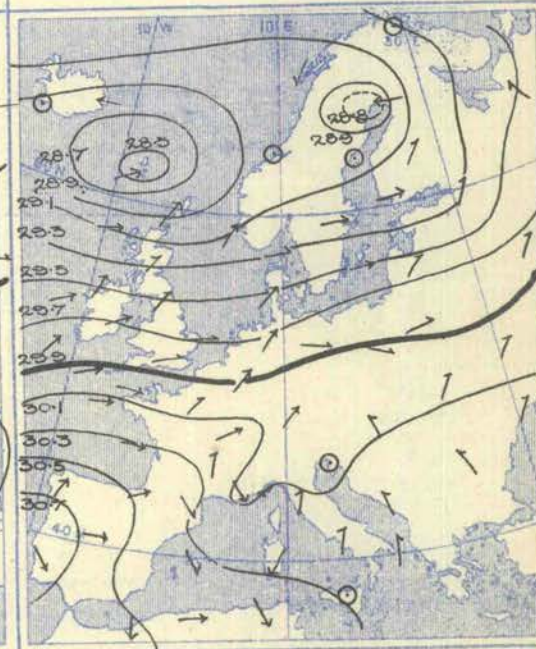
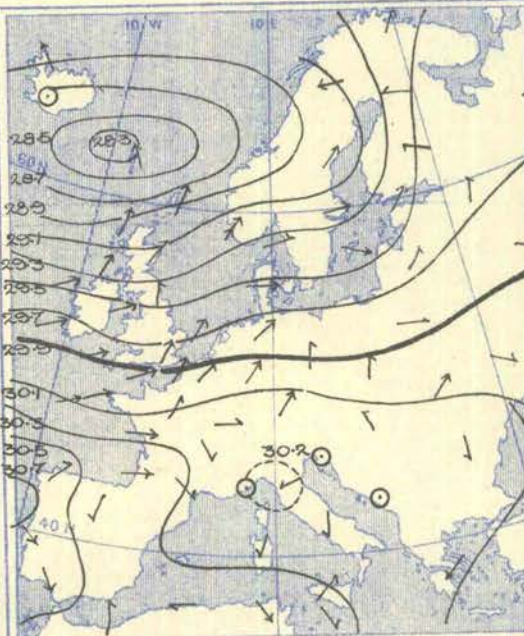
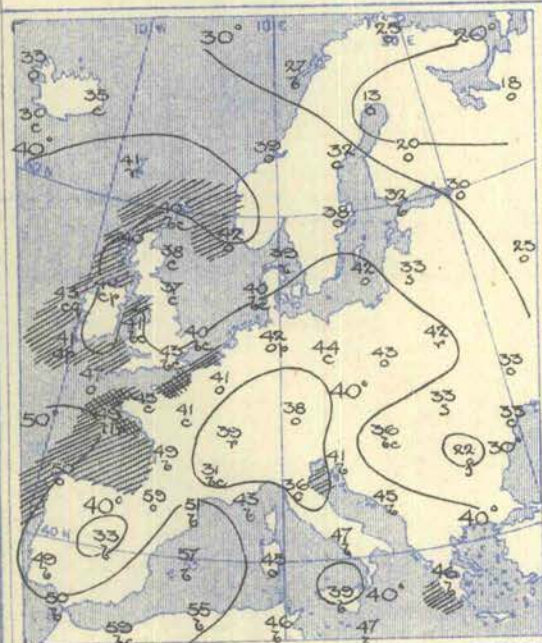
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine at nearly all places over the south of Europe and the north of Africa, and also in a few places further north, but very cloudy or dull generally, with showers in places over a wide area, and snow at Lemberg, Memel, and Riga. Rain falling later over these Islands, and rain or snow at many stations over the northern half of the Continent. Thunderstorms occurring at Algiers, and also in the north-west of Scotland.

Temperature fallen over these Islands and the adjacent part of the Continent, risen at many places in the east and south of our area. Morning readings ranging from 57° at Palma and 55° at Algiers to below 40° over most of central and northern Europe and these Islands, to less than 30° in the east and north-east generally, and to 13° at Haparanda. Remaining below 45° all day at most of our own stations, but touching or exceeding 50° in most French localities, and rising to 64° at Cape de Garde.

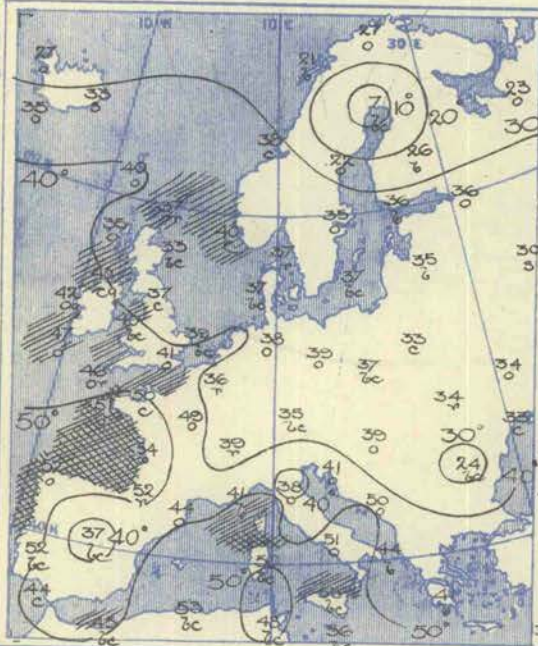
Wind in morning showing a very extensive cyclonic circulation over the north-western half of our area, the South-Westerly current being fresh to high over the United Kingdom and the north of France, and strong to a gale in the south of Norway. Easterly current in Iceland varying much in force. Light to fresh breezes, mainly from the Northward, prevalent over the Mediterranean region. No great change later, but veering a few points in most parts of these Islands.

Barometer in morning ranging from above 30.6 ins. in Portugal, to below 28.3 ins. in a deep depression having its minimum between Scotland and Iceland. Gradient steep over the surrounding region. Scarcely any change later in the general distribution of pressure; depression travelling slowly eastward and apparently becoming less deep. Some local secondary disturbances shown both in the north and south of our area.

Tuesday, 18th January, 1910.

Temperature and Weather.

7 a.m.

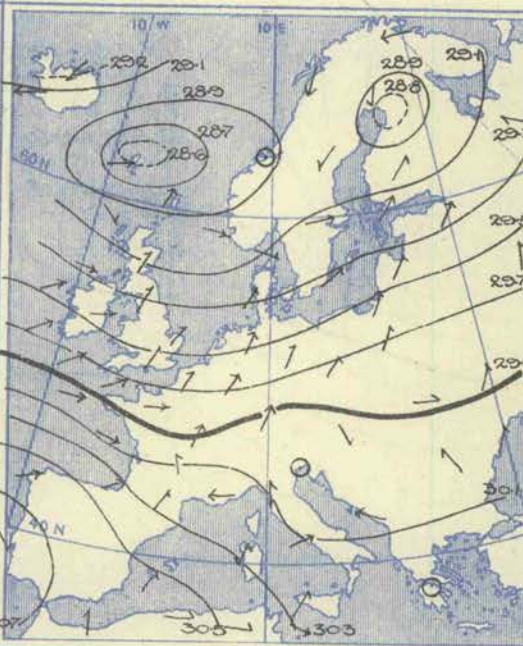


Weather in morning showery or rainy in various parts of France, these Islands, Germany, and the Baltic, as well as at Lemberg; snow showers at Castlebay and Wick. Fair to fine and bright at most stations in the south of our area, and temporarily fine in some northern localities. Some rain, sleet, or snow in these Islands during day, and considerable quantities over a large portion of the Continent; more than an inch of rain at Nancy, and between one and two inches in Switzerland.

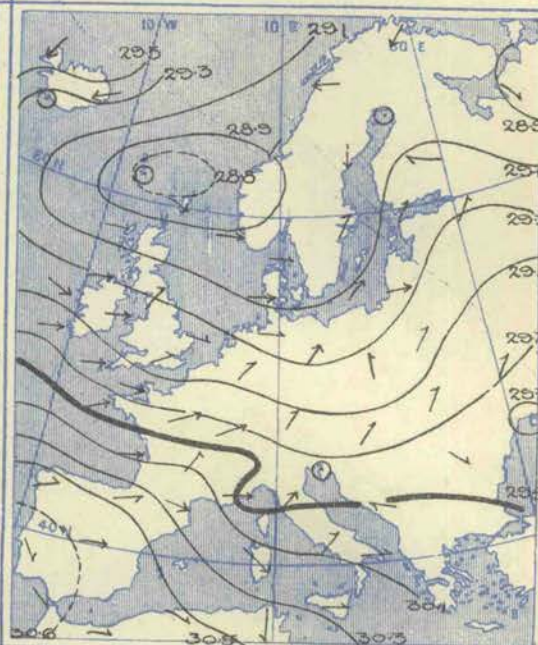
Temperature changed rather irregularly; fallen at most stations. Readings in morning as low as 7° at Haparanda, and below 32° over a large area in the north and east of Europe, as well as at Turin. Below 40° in Scotland and northern England, but above 50° over the Bay of Biscay and at many places on the shores of the Mediterranean. Maxima during day about 60° in the extreme south of our area, but less than 40° at several stations in central Europe and Scotland, and below 32° over the northern half of Scandinavia.

Barometer and Wind.

7 a.m.



6 p.m.



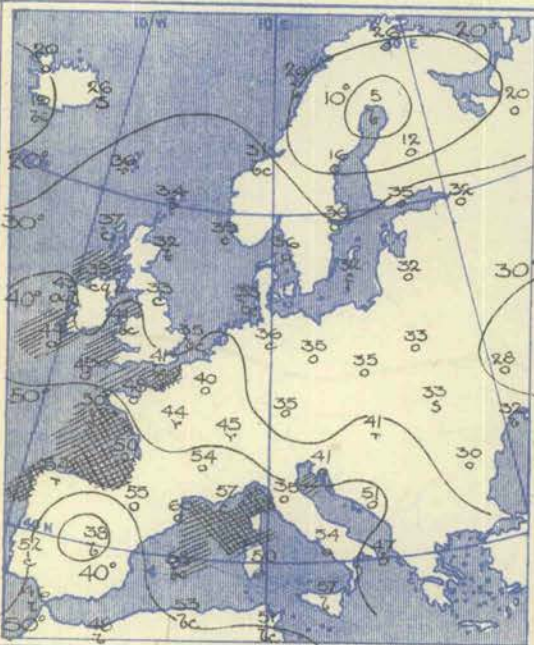
Wind in morning showing two distinct cyclonic circulations in the north of our area; Westerly current fresh to high over these Islands and their immediate neighbourhood, and Easterly winds strong or high in Iceland. A moderate to strong North-Westerly breeze prevailing over the Mediterranean, and a high Westerly wind over the Bay of Biscay. Little change later; increasing in force on the English Channel by evening, and also on some shores of the Mediterranean.

Barometer in morning above 30.7 ins. in the south-west of the Peninsula; below 28.8 ins. in a depression over the north of Finland, and below 28.6 ins. in a larger system centred off the north of Scotland. Later remaining almost stationary during day, but decreasing somewhat in intensity, and that over northern Europe moving eastward and becoming much modified. Barometer falling very briskly on the Riviera and in the adjacent part of Italy, and gradient growing steep in that region.

Wednesday, 19th January, 1910.

Temperature and Weather.

7 a.m.

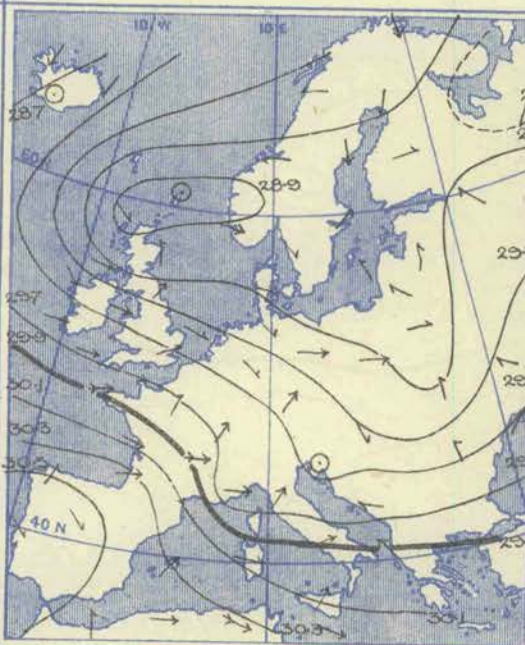


Weather in morning fine and bright in Algeria and at some stations in the other parts of our area, but very cloudy or overcast as a whole, with rain or snow in several localities. Rain later, generally slight, in many parts of these Islands, Germany, and Austria, and very heavy falls of rain in Switzerland and in several French localities. Measurement of rain and snow about 2 ins. at Zurich and Geneva.

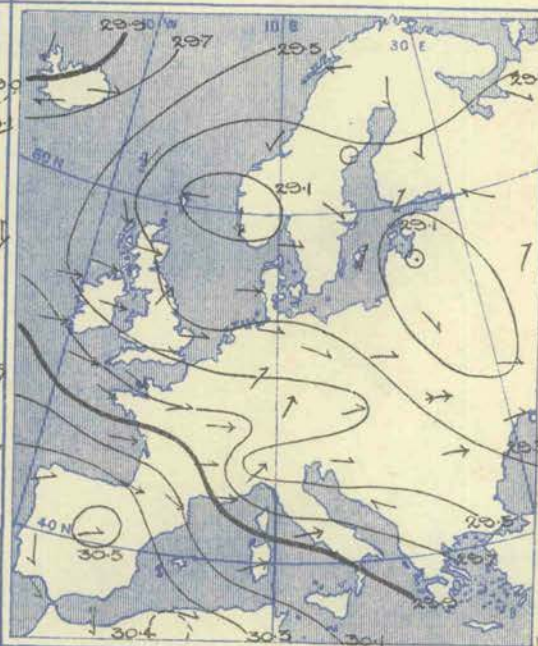
Temperature fallen generally, risen in Italy and the east and south of France. Morning readings ranging from 60° at Perpignan, and about 55° at some other stations in the south, to below 40° in central Europe and over a large area in these Islands, and to much below 32° in the north-east of the Continent. Maxima during day high over the south of our area; 65° at Nice, 66° at Palma, and above 60° in several other places. Below 40° in Scotland and many parts of central Europe, and below 32° in the far north of our area.

Barometer and Wind.

7 a.m.



6 p.m.



Wind in morning moderate to fresh or high from between West and North-West at most places over the United Kingdom, France, and the Mediterranean; strong to a gale at Lyons and Algiers. Light to fresh from the Westward in central Europe, and from the Southward in Russia. No general change during day; force decreasing at some places in the south and increasing in others, and a gale setting in at Lemberg.

Barometer in morning above 30.5 ins. over the western half of the Spanish Peninsula; below 28.9 ins. in an elongated depression having its minimum off the north of Scotland, and below 29.0 ins. in a system over the White Sea. Relatively low in a secondary over northern Italy and the Riviera. Main depression undergoing much modification in form and decreasing somewhat in intensity during day. Little change in the south of our area; gradient continuing irregularly steep in that region. Pressure increasing steadily in Iceland and the north and north-west of these Islands.

Thursday, 20th January, 1910.

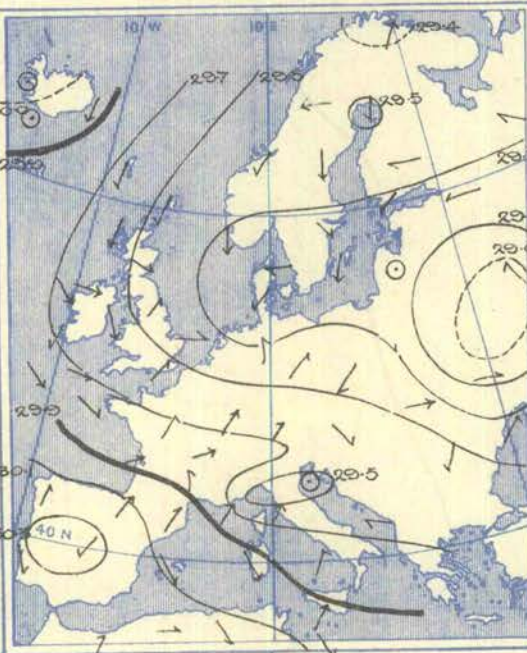
Temperature and Weather.

7 a.m.

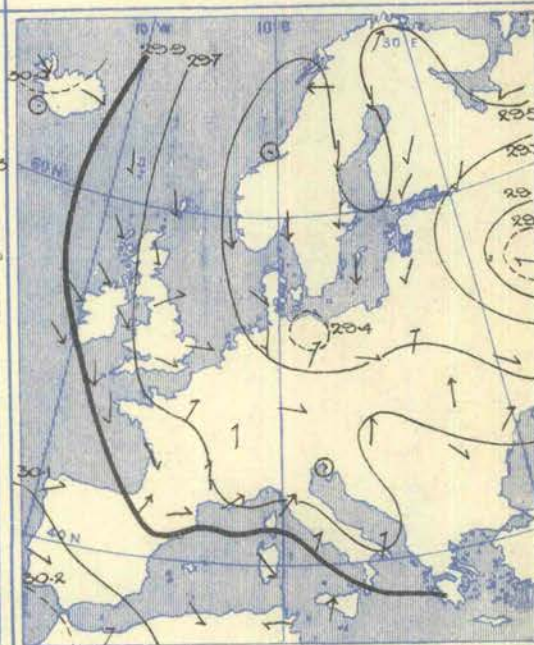


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine in most parts of these Islands and over a large area in the far south; overcast in most other regions, with rain in Brittany, and snow in various parts of eastern and northern Europe. Some rain or snow showers later in many parts of this country, and considerable falls of rain or snow over the greater portion of France—more than 1·2 in. at Besançon. Small quantities of rain or snow in some other Continental localities.

Temperature fallen in most regions. Morning readings ranging from 60° at Palma, 59° at Turin, and 57° at Palermo and Malta, to below 40° generally, to much below 32° over a large area in the north, and to 1° at Haparanda. Maxima during day above 60° at many stations in the Mediterranean region, and as high as 68° at Palma, but below 40° in central Europe, at Belfort, and in Scotland, and much below 32° in the north and north-east of Europe. Frost at night over these Islands; minimum temperature as low as 21° at Sumburgh Head.

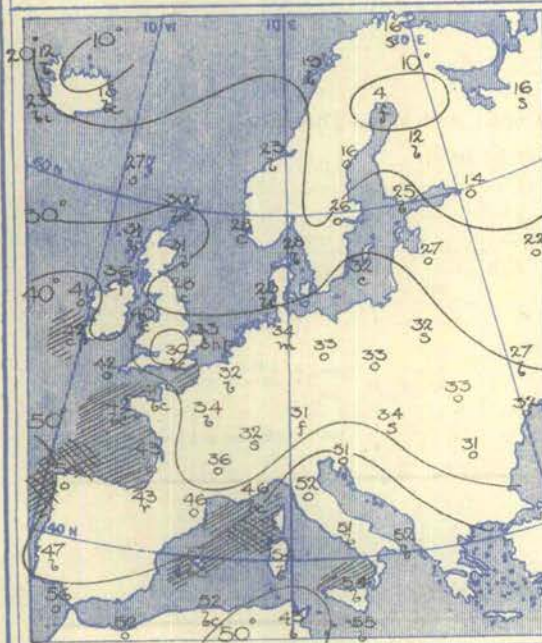
Wind in morning moderate to fresh Northerly and North-Westerly over the United Kingdom and its immediate neighbourhood. A cyclonic circulation of moderate force prevailing over Russia, and another of variable force over northern Italy and the surrounding regions. No great change later in day; becoming rather more Northerly over these Islands and the Bay of Biscay.

Barometer in morning above 30·2 ins. over the Peninsula, and above 30·0 ins. over the north of Iceland; less than 29·5 ins. in an elongated depression over the north of Italy, and below 29·0 ins. in a larger system over Russia. Gradient very steep over the south-east of France and the Gulf of Genoa. Pressure continuing to increase slowly over these Islands during day. Russian depression moving northward, but that over Italy maintaining its position. Barometer falling in the south and south-west of France, and gradient in that region becoming less steep.

Friday, 21st January, 1910.

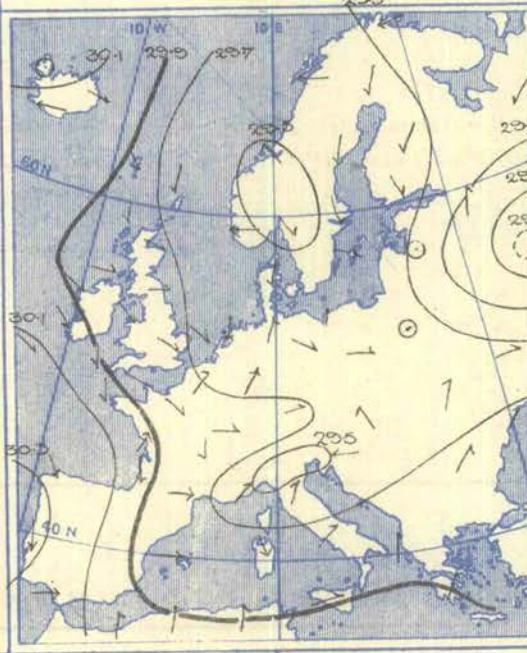
Temperature and Weather.

7 a.m.

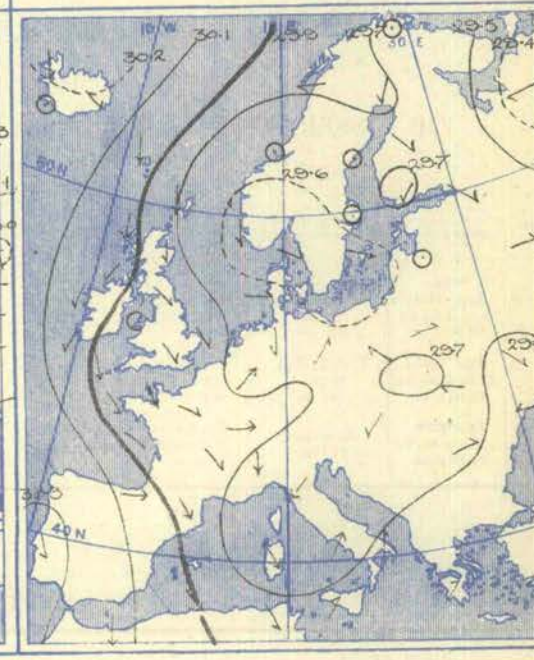


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine in places over a very large area, but generally unsettled, with rain or snow at times in many localities. Some rain or snow falling later in various parts of the United Kingdom, but day very bright in the east and south-east. Heavy rain experienced in the north of Italy, and rather heavy rain or snow in the south of Russia and at Karistad.

Temperature fallen in most regions. Morning readings ranging from above 50° at many stations in the south of our area, to less than 32° at some places in Great Britain, and to much below that figure in the north and north-east of Europe. Maxima during day below 40° in most parts of this country, the whole of central Europe, and the east of France, and much below freezing point in Scandinavia and northern Russia. Above 60° over a large area in the extreme south. Rather sharp frost in most parts of these Islands at night.

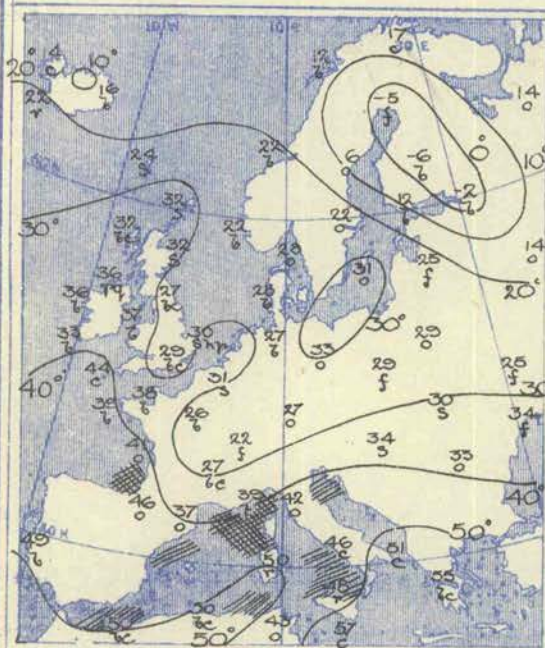
Wind in morning showing three separate cyclonic circulations on the Continent, but force generally moderate. A high wind from North prevailing at Biarritz, and a fresh to strong breeze in a few other localities. Little change as a whole later; becoming rather more Northerly in the south of these Islands; veering to the Northward on the coast of Algeria and increasing in force.

Barometer in morning above 30·3 ins. in Portugal, and above 30·1 ins. in Iceland; below 29·5 ins. in a depression over northern Italy and in another system over southern Scandinavia, and below 29·0 ins. in a third disturbance having its centre near Moscow. A small secondary moving southward over these Islands during day, but little change occurring in the general distribution of pressure. Moscow minimum disappearing by evening, probably in a north-easterly direction.

Saturday, 22nd January, 1910.

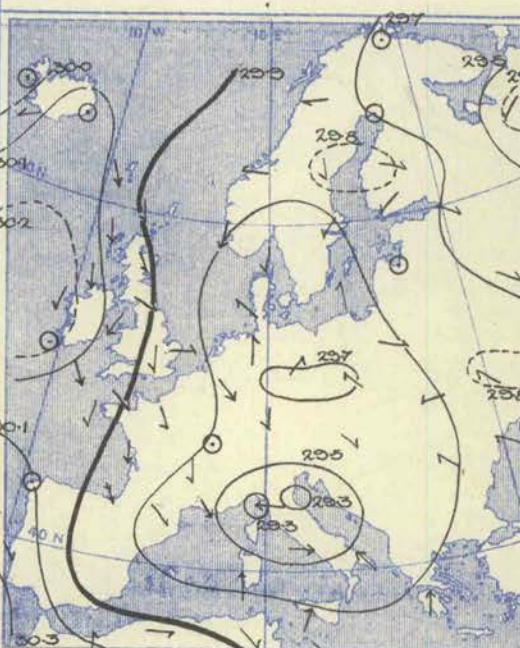
Temperature and Weather.

7 a.m.

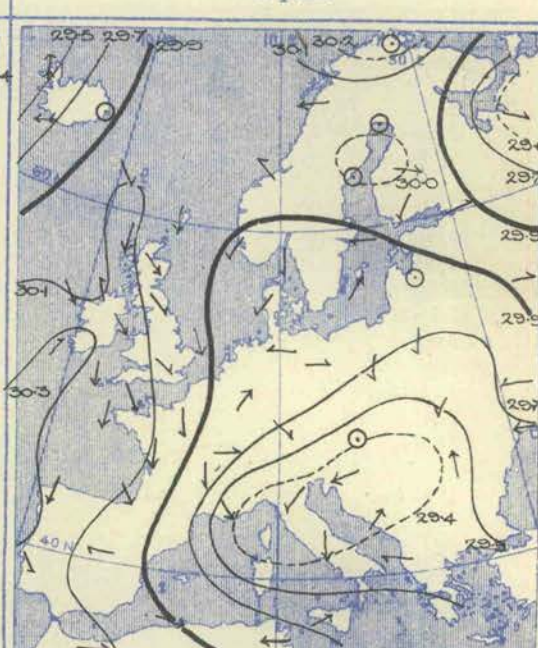


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to bright in most parts of this country, but hail and snow showers in places. Fair to fine in Norway, Algeria, and in some other localities, but very cloudy or overcast generally, with snow in some parts of France, rain at some stations on the shores of the Mediterranean, and also at Nicolsieff. Snow and hail showers later in most parts of these Islands and heavier precipitation in various parts of the Continent; more than an inch on some shores of the Adriatic and Mediterranean.

Temperature fallen generally. Morning readings below 32° over most of the United Kingdom and a considerable portion of France and central Europe, and below zero at some places in the north of Europe. As high as 57° at Malta and 55° at Athens, but below 50° in the south generally. Maxima during day as low as 32° in some parts of Scotland and below 40° in Great Britain generally. Maxima lower than earlier in the week over our area as a whole, but about 60° at a few places in the extreme south. Minima at night very low in Scotland; 13° at Wick, and 17° and 18° at Nairn and Aberdeen respectively. Frost general in England and Ireland.

Wind in morning moderate to strong from the Northward over these Islands, France, and the Bay of Biscay, with a gale at Biarritz. A well marked cyclonic circulation of considerable strength prevailing over Italy and its vicinity, and somewhat variable breezes of little force elsewhere. Increasing in force from between North and West on the coast of Algeria later, and blowing a gale at Oran; backing to South-West or South in the north-east of Ireland, but changing little over these Islands generally. Increasing to gale force in the west of Ireland.

Barometer in morning ranging from above 30·2 ins. over Ireland and also over Portugal to below 29·4 ins. in a complex depression situated over northern Italy. Relatively low in some other disturbances on the Continent; a fresh fall of the mercury in progress in Iceland. Pressure giving way very br'skly during day in Iceland, and beginning to fall in the north of Ireland, but a rise taking place over these Islands as a whole. Barometer rising in the south of France, and gradient increasing over the Riviera and its vicinity.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Jan. 17th, 9.52 a.m. to 10.30 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity .. Wind ..	279° 90% 225°, 8	278·5° 96% 235°, 13	274° 95% 250°, 16					273° 100% 250°, 18	810 { Overcast. Thick bank of clouds in S.W. Clouds just reached. Heavy shower with snow at 11.20 a.m.
2	Jan. 18th, 11.22 a.m. to 12.10 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity .. Wind ..	280·5° 80% 260°, 10	279·5° 86% 270°, 15	277·5° 90% 230°, 18	275° 95% 290°, 20				274° 95% 290°, 21	1,080 { Clouds not reached. Extremely steady wind above 800 m.
3	Jan. 20th, 10.10 a.m. to 11.20 a.m.	Brighton, 115 m.	Temperature Humidity .. Wind ..	275° 95% 300°, 3		273° 75% 325°, 10						500 Overcast and haze.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3
No. of Kites ..	1	1	1
Area of Surface (metres) ..	4	4	7
Capacity of Balloon (cub. ft.) ..			
Length of Wire (metres) ..	750	1,100	1,100

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

33

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 4. FOURTH WEEK, SUNDAY, JANUARY 23RD, TO SATURDAY, JANUARY 29TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—Although the general condition was very unsettled and precipitation frequent the sky was often partly or entirely cloudless. Heavy snow was experienced in the north of England and in several Scottish localities as well as in the east of Ireland, and heavy rain or sleet in the south-west and west of England. Thunderstorms were experienced both at the beginning and end of the week—mostly in scattered localities in the south and west.

Temperature was much below the average, especially in Scotland, where the deficit amounted to between 12° and 15°. Over England the deficit varied between 6° in England S.E. and more than 10° in England N.E., while in Ireland it varied between 7° and 8°. In the English Channel district the deficit did not amount to more than 3·4°. The highest of the maxima were registered either early or towards the end of the week, and varied from 50° in Ireland S. to 39° in Scotland N. As a rule the maxima were below 40°, and in Scotland often below 32°. At Aberdeen on the 27th the highest reading was 18°. The lowest of the minima were registered during the latter half of the week. In Scotland E. the thermometer descended to -5° (at West Linton on the 26th), and in Scotland W. to zero (at Kilmarnock on the 28th), and in Scotland N. to 2° (at Fort Augustus on the 28th). Over England and Ireland the minima ranged from 1° in the Midlands, 6° in England N.E. and 7° in England N.W. In the English Channel the lowest reading was 28°. At West Linton the mean of the minima was as low as 8·7° and the mean temperature for the week 20·3°. The lowest grass temperatures reported were -9° at Buxton, -8° at West Linton, -3° at Crathes, -2° at Newton Rigg, 2° at Marchmont, 3° at Hereford, 4° at Durham and Llangammarch Wells, and 5° at Markree Castle.

Mean Temperature of the Sea.—At nearly every station the water was colder than during the corresponding week of last year, as much as 5° at Cromarty and 6° at Kirkwall. The means for the week ranged from 48° at Newquay and about 46° on the south-west coast of England generally, to below 40° along the east coast of Great Britain, and to about 36° at Burnmouth and Kirkwall.

Rainfall exceeded the average except in Scotland N. and W. and Ireland N.; in most places the excess was large. Heavy rain and snow occurred in the east of Ireland on Thursday, the measurement at Dublin being 1·31 inch and at Kingstown 1·52 inch. On Friday the melted snow yielded more than an inch at some places in the North of England, the highest figure being 1·49 inch at Morpeth. Heavy rain and hail fell at Arlington on Thursday, measuring 1·60 inch.

Bright Sunshine exceeded the normal in all districts except Scotland E. and Ireland S. The percentages of the possible duration ranged from 36 in England S.E. and 35 in the English Channel to 22 in Ireland S., and to 20 in Scotland E.

Barometer and Wind.—The general distribution of pressure over the United Kingdom and its immediate neighbourhood was cyclonic. In addition to several small local irregularities in pressure, two deep cyclonic systems passed directly across this country—one early in the week, and the other towards its close. During their passage the cyclonic circulation of the wind was well marked. Strong breezes or high winds were very general, while with both disturbances gales from various points of the compass were experienced on several parts of the coast—mostly from between S. and W. in the south, and from between E. and N. in the northern and western districts.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 36.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth	... Very deficient	Very deficient	Very deficient	Deficient	Very deficient	Deficient	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Deficient
	Rainfall	... Light	Moderate	Very heavy	Very heavy	Heavy	Very heavy	Moderate	Heavy	Very heavy	Moderate	Heavy	Very heavy
	Sunshine	... Very abundant	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth. Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 8 weeks from Dec. 5th, 1909.	Warmth ...	1 * 5	2 * 4	2 * 3	2 * 1	2 * 2	2 * 3	2 * 4	3 * 3	2 * 4	2 * 4	2 * 4	2 * 4	2 * 4
		3 * 2	3 * 2	3 * 1	4 * 1	5 * 1	3 * 2	3 * 1	5 * 1	5 * 2	3 * 3	3 * 3	3 * 3	3 * 3
		6 * 1	4 * 0	3 * 2	5 * 2	5 * 2	5 * 2	3 * 1	4 * 0	2 * 1	3 * 4	2 * 0	1 * 3	1 * 3

PAST SEASONS.

WINTER, 1908-9. Nov. 29th-Mar. 6th. 14 weeks.	Warmth ...	3 * 2	3 * 2	2 * 7	4 * 6	2 * 6	4 * 6	3 * 2	4 * 6	4 * 6	6 * 1	4 * 2	5 * 5
		2 * 6	3 * 5	1 * 6	3 * 7	3 * 7	4 * 8	4 * 3	2 * 6	4 * 8	3 * 4	3 * 6	5 * 8
		6 * 2	5 * 3	3 * 3	4 * 6	4 * 6	5 * 4	4 * 2	8 * 1	6 * 2	4 * 5	2 * 4	6 * 3
SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
		3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
		2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
		5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
		5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FOURTH WEEK—January 23rd to January 29th, 1910.

FOURTH WEEK—January 23rd to January 29th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
0. SCOTLAND, NORTH	39	2	32.6	16.6	24.9	- 14.0	Day-deg. 0	Day-deg. - 8	Day-deg 120	Day-deg. + 88	5	- 1	Inches. 0.61	Inches. - 1.02	16	+ 10	% 30	% +19
Eastern																		
1. SCOTLAND, EAST	45	- 5	32.8	14.7	24.1	- 14.5	0	- 10	125	+ 89	5	0	0.62	+0.01	11	- 1	20	- 2
2. ENGLAND, N.E.	40	6	34.9	22.5	29.0	- 10.4	0	- 10	91	+ 61	6	+ 3	1.23	+0.89	12	+ 1	22	+ 1
3. ENGLAND, EAST	45	17	37.5	27.0	32.4	- 6.5	0	- 10	67	+ 33	6	+ 2	1.18	+0.80	20	+ 5	33	+ 9
4. MIDLAND COUNTIES	46	10	37.5	24.5	31.2	- 7.9	0	- 12	76	+ 43	5	+ 1	0.96	+0.46	18	+ 6	30	+ 10
5. ENGLAND, S.E.	47	13	40.4	27.9	34.4	- 5.9	0	- 13	53	+ 28	5	+ 2	1.43	+0.92	21	+ 9	36	+ 15
Western																		
6. SCOTLAND, WEST	44	0	35.1	21.4	28.5	- 12.2	0	- 13	95	+ 72	3	- 3	0.69	- 0.43	15	+ 5	26	+ 10
7. ENGLAND, N.W.	46	7	36.5	25.7	31.3	- 9.0	0	- 11	75	+ 51	4	0	1.17	+0.42	17	+ 7	30	+ 12
8. ENGLAND, S.W.	48	8	41.0	29.6	35.5	- 6.4	0	- 18	46	+ 28	5	0	1.87	+1.02	16	+ 4	27	+ 6
9. IRELAND, NORTH	47	7	38.9	28.2	33.7	- 7.4	0	- 15	58	+ 37	5	0	0.65	- 0.16	16	+ 5	28	+ 9
10. IRELAND, SOUTH	50	18	40.5	29.3	35.1	- 7.8	0	- 22	48	+ 33	6	+ 1	1.32	+0.48	13	0	22	0
11. ENGLISH CHANNEL	49	28	45.7	36.6	41.3	- 3.4	10	- 16	23	- 17	6	+ 1	1.54	+0.89	21	+ 6	35	+ 9

THE SEASON (Winter).—Aggregates, &c., for the Period of 8 Weeks, December 5th, 1909 to January 29th, 1910.

0. SCOTLAND, NORTH	55	2	*	*	*	*	40	-21	421	+162	45	+3	10.67	+0.06	63	+24	17	+7
Eastern																		
1. SCOTLAND, EAST	57	-5	*	*	*	*	47	-11	430	+114	35	+2	5.41	+0.44	93	+29	24	+8
2. ENGLAND, N.E.	56	6	*	*	*	*	58	-8	293	+34	35	+7	5.16	+1.52	93	+23	22	+5
3. ENGLAND, EAST	57	17	*	*	*	*	68	-4	237	-60	37	+6	4.69	+1.37	111	+27	26	+6
4. MIDLAND COUNTIES	57	8	*	*	*	*	64	-18	282	-17	36	+6	5.50	+1.52	95	+24	22	+6
5. ENGLAND, S.E.	57	13	*	*	*	*	91	-19	206	-12	37	+7	5.65	+1.30	108	+24	24	+5
Western																		
6. SCOTLAND, WEST	57	0	*	*	*	*	67	-21	296	+93	34	-4	9.40	+0.31	75	+16	18	+4
7. ENGLAND, N.W.	56	7	*	*	*	*	74	-14	230	+22	39	+6	8.64	+2.90	87	+26	21	+6
8. ENGLAND, S.W.	55	8	*	*	*	*	103	-44	170	+16	40	+5	8.97	+1.58	89	+4	20	+1
9. IRELAND, NORTH	57	7	*	*	*	*	98	-10	220	+40	42	+3	6.54	-0.01	77	+5	19	+1
10. IRELAND, SOUTH	57	8	*	*	*	*	127	-46	176	+41	43	+6	7.08	-0.69	94	+7	22	+2
11. ENGLISH CHANNEL	56	28	*	*	*	*	190	-40	57	+7	45	+6	6.62	+0.36	86	-23	19	-5

THE YEAR.—Aggregates, &c., for the Period of 4 Weeks, January 2nd to January 29th, 1910.

0. SCOTLAND, NORTH	55	2	*	*	*	*	27	0	219	+82	23	+2	6.05	+0.74	38	+16	20	+8
Eastern																		
1. SCOTLAND, EAST	57	-5	*	*	*	*	32	+4	230	+70	19	+3	2.90	+0.57	51	+15	25	+7
2. ENGLAND, N.E.	56	6	*	*	*	*	29	-2	165	+31	17	+3	2.11	+0.49	56	+20	26	+9
3. ENGLAND, EAST	57	17	*	*	*	*	37	+4	125	-29	18	+3	1.90	+0.32	64	+19	29	+9
4. MIDLAND COUNTIES	57	10	*	*	*	*	23	-12	145	-7	17	+2	2.32	+0.37	56	+18	25	+8
5. ENGLAND, S.E.	57	13	*	*	*	*	46	-1	92	-25	13	+4	2.58	+0.54	57	+14	25	+6
Western																		
6. SCOTLAND, WEST	57	0	*	*	*	*	36	-4	160	+53	18	-1	4.26	+0.01	41	+9	20	+4
7. ENGLAND, N.W.	55	7	*	*	*	*	40	+1	121	+12	19	+3	4.05	+1.32	48	+15	22	+7
8. ENGLAND, S.W.	54	8	*	*	*	*	52	-16	80	-4	20	+3	4.38	+1.06	43	-2	19	-1
9. IRELAND, NORTH	55	7	*	*	*	*	50	-3	116	+23	21	+2	3.66	+0.54	44	+7	21	+3
10. IRELAND, SOUTH	57	18	*	*	*	*	70	-12	82	+13	23	+5	3.75	+0.10	51	+6	23	+3
11. ENGLISH CHANNEL	53	28	*	*	*	*	88	-13	23	-8	23	+4	3.95	+1.19	46	-11	20	-5

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).		No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.	
						Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°									
0. SCOTLAND, N.	a, Islands.	p Balta Sound	37	23rd, 24th	13	28th	33.4	21.3	27.6	—	Day	Day	6	Ins.	Ins.	Hrs.	Hrs.	%	Balta Sound.	
	b, Main-land.	a Sumburgh Head	37	29th	11	26th	33.9	17.7	26.1	-12.9	0	101	0.57	11.0	—	23	—	Deerness.		
		a Stornoway	39	23rd	16	27th	35.0	24.0	29.7	-9.4	0	112	1.11	+ 0.23	18.5	+10.7	37	+21	Stornoway.	
		a Castlebay, Barra Isd.	44	23rd	20	28th	38.7	29.9	34.5	-6.6	0	53	0.53	29.1	+15.8	46	+30	Castlebay.		
		a Wick	38	23, 28, 29th	8	28th	34.9	12.7	24.2	-13.9	0	125	0.63	+ 0.06	13.2	+4.2	25	+8	Strathpeffer.	
1. SCOTLAND E.	b, Main-land.	p Strathpeffer	36	24th	8	27th	30.5	18.2	24.6	-12.4	0	122	0.76	+ 0.06	13.2	+4.2	25	+8	Strathpeffer.	
		p Glencarron	36	23rd	5	27th	31.2	13.1	22.5	-14.1	0	137	0.45	- 1.72	7.5	+2.2	14	+4	Fort Augustus.	
		p Fort Augustus	37	24th	2	28th	31.0	14.5	23.1	-14.6	0	132	0.17	- 1.03	7.5	+2.2	14	+4	Fort Augustus.	
		p Fort William	37	29th	5	27th, 28th	31.5	16.0	24.1	-15.2	0	125	0.23	- 1.81	7.5	+2.2	14	+4	Fort Augustus.	
		p Gordon Castle	38	29th	5	28th	32.3	16.9	24.9	-13.4	0	120	0.56	+ 0.08	3.8	—	7	—	Gordon Castle.	
2. ENGLAND, N.E.	a, North.	a Nairn	36	28th	4	28th	30.9	13.1	22.4	-15.0	0	137	0.50	+ 0.07	8.8	—	17	—	Nairn.	
		a Aberdeen	37	24th, 29th	5	29th	31.1	12.6	22.2	-15.6	0	139	0.74	+ 0.23	7.3	- 5.6	14	-11	Aberdeen.	
		a Balmoral	45	23rd	0	26th, 27th	38.0	9.3	24.2	-9.8	0	125	1.40	+ 0.72	8.7	—	16	—	Crathes S.	
		p Crieff	39	29th	4	28th	31.6	17.2	24.7	-12.5	0	121	0.40	- 0.48	17.1	—	32	—	Balruidery.	
		a Leith	38	24th, 29th	12	28th	34.0	21.1	27.8	-11.4	0	99	0.37	0.00	12.0	+3.6	22	+7	Edinburgh.	
3. ENGLAND, E.	b, South.	a West Linton	35	29th	-5	26th	31.0	8.7	20.3	-15.9	0	162	0.38	—	17.5	—	32	—	West Linton.	
		p Marchmont	37	23rd	11	28th	33.3	18.9	26.4	-10.1	0	109	0.62	+ 0.11	9.6	-1.8	18	-3	Marchmont.	
		a Cockle Park	37	24th	7	27th	33.6	18.2	26.2	-12.0	0	111	2.10	+ 1.59	7.9	—	14	—	Cockle Park.	
		a Shields	39	24th	15	27th	35.6	22.4	29.3	-9.3	0	89	1.24	+ 0.90	4.1	-3.2	7	-6	Newcastle.	
		p Durham	36	24th	10	27th	32.6	20.4	26.7	-10.5	0	107	1.36	+ 1.02	8.8	-2.4	16	-4	Durham.	
4. MIDLAND COUNTIES.	a, North.	p Rounton	36	24th	6	26th, 27th	32.3	18.4	25.6	-11.4	0	115	1.02	+ 0.63	—	—	—	—	Scarborough.	
		p Scarborough	40	24th	20	27th	37.4	26.7	32.3	-16.2	0	68	1.46	+ 1.02	5.2	—	9	—	Scarborough.	
		a York	38	24th	12	27th	34.3	23.4	29.1	-9.1	0	90	1.03	+ 0.66	7.0	-1.3	12	-2	York.	
		a Spurn Head	39	24, 25, 28th	25	23, 27, 28th	37.0	27.6	32.5	-6.1	0	67	0.55	+ 0.28	—	—	—	—	Skegness.	
		a Lincoln	40	28th	13	26th, 28th	35.6	23.1	29.1	-8.2	0	90	1.19	+ 0.83	22.6	—	39	—	Rauceby.	
5. ENGLAND, S.E.	b, South.	a Fulbeck	40	28th	15	27th	35.6	23.5	29.8	-7.8	0	85	1.16	+ 0.78	18.4	—	32	—	Lowestoft.	
		p Cromer	39	28th	20	28th	36.2	26.2	31.4	-5.5	0	74	1.93	—	18.3	—	32	—	Cromer.	
		p Hillington	41	28th	22	28th	36.0	26.7	31.5	-5.6	0	74	1.39	+ 0.91	16.1	+4.3	28	+8	Hillington.	
		a Yarmouth	41	28th	25	23, 24, 27, 28	37.0	27.6	32.5	-4.9	0	67	1.27	+ 0.91	18.4	—	32	—	Yarmouth.	
		a Norwich	41	28th	21	28th	36.4	25.9	31.4	-5.8	0	74	1.84	—	—	—	—	—	Geldeston.	
6. LONDON.	a, East.	p Geldeston	42	28th	20	27th	37.4	27.1	32.5	-5.5	0	66	0.63	+ 0.32	14.3	+1.1	25	+2	Geldeston.	
		p Cambridge	44	28th	17	27th	38.0	26.8	32.6	-5.1	0	66	0.63	+ 0.32	24.7	+12.2	42	+21	Cambridge.	
		a Felixstowe	42	24th, 28th	22	26th, 27th	38.7	26.9	33.0	-5.3	0	63	0.63	—	21.5	—	36	—	Felixstowe.	
		a Clacton-on-Sea	43	28th	23	26, 27, 28th	38.9	27.1	33.2	-5.0	0	62	0.67	—	21.5	—	36	—	Clacton.	
		a Rothamsted	43	27th, 28th	18	27th	39.1	25.4	32.5	-4.9	0	67	1.01	+ 0.55	23.1	+11.2	39	+10	Rothamsted.	
7. ENGLAND, S.W.	b, South.	a Southend	44	28th	23	27th	39.1	27.9	33.7	-4.8	0	55	0.68	+ 0.50	20.5	—	35	—	Southend.	
		a Shoeburyness	45	28th	22	27th	38.3	29.8	34.2	-4.6	0	58	0.78	—	20.4	—	35	—	Southend.	
		p Tottenham	45	28th	22	27th	38.3	29.8	34.2	-4.6	0	58	0.78	—	20.4	—	35	—	Tottenham.	
		a Harrogate	34	24th, 29th	14	27th	31.7	22.7	27.4	-9.4	0	132	1.53	+ 1.03	10.3	—	18	—	Harrogate.	
		a Bawtry	40	28th	12	27th	35.1	23.4	29.5	-8.2	0	85	1.18	+ 0.81	14.9	+5.4	26	+9	Worksop.	
8. IRELAND, N.	a, East.	p Buxton	37	24th	1	27th	32.5	19.0	26.0	-9.4	0	112	1.35	+ 0.31	20.1	—	35	—	Buxton.	
		a Nottingham	40	28th	17	27th, 28th	36.6	25.1	31.1	-6.7	0	76	1.05	+ 0.65	15.8	—	27	—	Nottingham.	
		p Birmingham	40	23rd, 24th	19	27th	36.4	27.5	32.1	-5.6	0	69	0.96	+ 0.53	11.2	—	19	—	Birmingham.	
		a Raunds	43	28th	16	27th, 28th	38.5	23.2	31.2	-6.0	0	76	0.58	—	—	—	—	—	Oxford.	
		a Oxford	44	27th	18	27th, 28th	40.7	26.1	33.7	-5.2	0	58	0.72	+ 0.33	20.3	+14.3	45	+24	Oxford.	
9. IRELAND, S.	b, West.	a Oxford	38	28th	14	27th	35.1	21.3	28.5	-8.4	0	95	1.28	+ 0.74	14.8	—	26	—	Sheffield.	
		a Cheddle	44	23rd	13	27th	39.5	26.4	33.2	-5.3	0	62	0.13	—	—	—	—	—	—	
		p Shrewsbury	45	23rd	14	27th	38.5	24.3	31.7	-6.7	0	72	0.84	+ 0.34	—	—	—	—	—	
		a Hereford	42	23rd	10	27th	38.8	22.0	30.7	-6.8	0	79	0.83	+ 0.33	19.6	+7.6	33	+13	Cirencester.	
		a Cirencester	46	23rd, 27th	16	27th	41.4	27.0	34.5	-5.0	0	53	1.50	+ 0.98	28.2	—	48	—	Bath.	
10. IRELAND, E.	a, East.	a Bath	46	23rd, 27th	16	27th	41.4	27.0	34.5	-5.0	0	53	1.50	+ 0.98	28.2	—	48	—	Ramsgate.	
		p Kew	45	28th	21	27th	39.2	29.1	34.4	-4.6	0	53	1.12	+ 0.75	18.1	+7.9	31	+13	Kew.	
		a Marlborough	44	23rd	14	27th, 28th	39.5	24.0	32.1	-5.4	0	69	1.49	+ 0.91	20.6	+10.2	35	+17	Marlborough.	
		a Margate	44	28th	19	26th, 27th	40.2	26.7	35.2	-3.9	0	48	1.29	+ 0.93	17.5	+5.5	30	+9	Margate.	
		a Wisley, Surrey	45	27th	13	27th	40.4	26.6	33.8	-5.6	0	57	1.17	—	24.4	—	41	—	Wisley.	
11. ENGLISH CHANNEL.	a, East.	a Swaraton	44	27th	13	27th	39.4	24.3	32.2	-5.4	0	69	1.55	+ 1.00	25.9	—	43	—	Worthing.	
		a Tunbridge Wells	45	24th, 28th	18	27th	39.8	27.2	33.8	-3.9	0	57	1.67	+ 1.12	16.3	+4.8	27	+8	Tunbridge Wells.	
		a Dungeness	45	23, 24, 28th	22	27th, 28th	41.4	27.7	34.8	-4.1	0	50	1.84	+ 1.44	18.5	—	31	—	Littlestone.	
		p Hastings	46	28th	24	27th	40.2	30.0	35.3	-4.3	0	47	1.52	+ 1.02	22.6	+7.9	37	+12	Hastings.	
		p Southampton	46	28th	20	27th	40.9	29.7	35.5	-4.7	0	46	1.71	+ 1.16	21.0	+8.2	35	+14	Southampton.	
12. IRELAND, W.	b, West.	a Ventnor	47	23rd	24	27th	42.7	30.6	36.9	-4.6	2	42	0.96	+ 0.41	23.2	+9.6	39	+16	Ventnor.	
		a Westminster	46	28th	21	27th, 28th	41.3	27.7	34.8	-4.3	0	50	0.95	+ 0.58	18.3	+8.8	33	+15	Westminster.	
		a Greenwich	45	27th, 28th	20	27th	40.7	27.7	34.5	-4.2	0	53	1.10	+ 0.75	19.5	+9.0	33	+15	Greenwich.	
		a Lauder	38	24th	15	27th	31.8	21.4	26.8	-13.4	0	106	0.67	- 1.13	—	—	—	—	Glasgow.	
		a Poltalloch	38	29th	9	28th	34.4													

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	33.9	—	Harrogate	7	6	33.1	38.5	6. Dumfries	7	9	33.4	39.3
1. Aberdeen	7	—	33.4	38.5	Huddersfield	6	7	35.2	40.5	Douglas	6	18	—	—
Crathes	7	—	—	—	Buxton	6	—	34.9	41.5	Aspatia	6	12	—	—
Balmoral	7	—	—	—	Sheffield	7	5	34.7	41.3	Newton Rigg	7	—	35.1	39.6
West Linton	7	—	—	—	Nottingham	7	14	33.2	39.2	Burnley	5	7	33.8	40.9
Marchmont	7	2	33.0	—	Birmingham	6	7	36.0	43.5	Southport	6	8	33.4	39.0
Cockle Park	6	9	32.9	38.3	Oxford	5	12	—	—	Manchester City	5	18	34.2	42.4
Durham	7	4	—	—	Hereford	7	3	—	—	Bettws-y-Coed	3	16	36.9	43.0
York	—	—	35.5	40.9	Cloucester	7	12	—	—	Llangammarch Wells	6	4	37.1	44.1
Hull	6	12	35.0	42.0	Bath	—	—	—	—	Cardiff	5	10	36.5	43.3
Lincoln	—	—	33.8	40.3	Margate	4	24	37.2	41.9	Clifton	5	17	—	—
Rauceby	6	15	35.4	42.4	Greenwich	5	15	—	—	Plymouth	3	22	39.3	—
Norwich	6	11	—	—	Westminster	5	14	—	—	9. Armagh	6	15	36.7	42.7
Yarmouth	—	—	35.3	42.3	Kew	5	11	35.8	43.6	Markree	6	5	36.9	43.7
Lowestoft	5	18	35.6	41.0	Canterbury	7	17	34.4	42.5	10. Dublin, Trin. Coll. ..	4	13	37.2	42.9
Cambridge	7	8	35.0	41.7	Tunbridge Wells	6	13	35.2	—	11. Guernsey, Brooklyn	4	24	40.7	45.9
Clacton-on-Sea	5	13	37.2	43.5	Wisley	5	14	35.5	42.3					
Southend	7	19	36.3	—	Worthing	4	18	36.2	43.6					
Tottenham	5	16	—	43.1	Portsmouth	3	13	37.9	44.3					
					Glasgow	7	7	—	—					
					Rothsay	—	—	—	—					
					Colmonell	7	13	—	41.0					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	41	41	41.0	SCOTLAND, W.	Lamlash	42	41	41.5
	Kirkwall	37	35	36.2		Ballantrae	41	40	40.7
	Wick	?	?	?	ENGLAND, N.W.	Port Erin	45	40	43.0
SCOTLAND, E.	Cromarty	40	31	37.0		Newquay	48	45	47.5
	Pennan Bay	39	33	37.5	ENGLAND, S.W.	Plymouth†	46	45	45.6
	Aberdeen, Cove Bay ..	39	34	37.8		Salcombe	46	44	45.7
ENGLAND, N.E.	Burnmouth, Berwick ..	37	36	36.4	IRELAND, N.W.	Sheephaven	44	43	43.7
	Scarborough	39	35	37.9		Teelin	43	37	39.7
ENGLAND, E.	Shipwash Lightship ..	41	39	39.8	IRELAND, S.W.	Cleggan	44	40	41.5
	Margate	41	36	38.3		Seafield	47	42	44.2
ENGLAND, S.E.	Eastbourne†	42	40	41.1	IRELAND, E.				

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E1. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: —b— = blue sky; —c— = detached cloud; —o— = overcast; —m— = misty (hazy); —f— = foggy; —q— = squally; —r— = rain; —h— = hail; —s— = snow; —l— = lightning; —t— = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 23rd January, 1910.

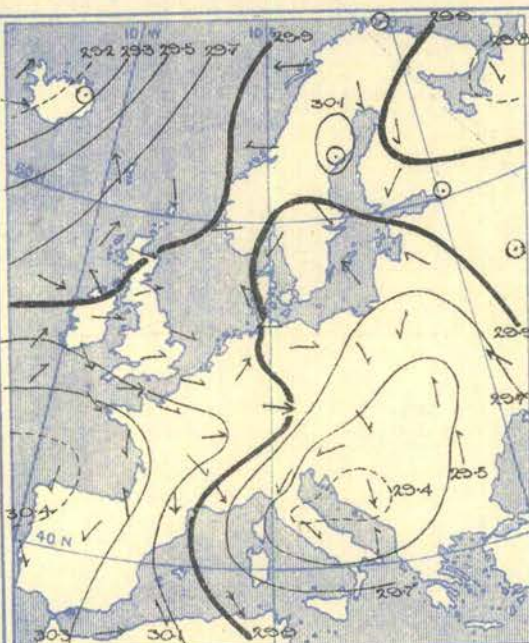
Temperature and Weather.

7 a.m.

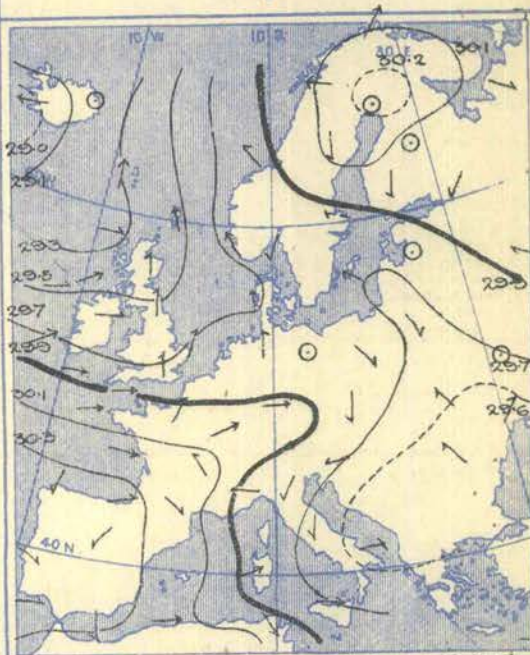


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine in many localities both in the south and north, but generally unsettled, with rain or snow at some of our own stations and at several in different parts of the Continent, and rain in Algeria. Heavy precipitation later over many parts of these Islands, as well as in the north of France and at some stations on the shores of the Mediterranean; thunder and lightning at Valencia and Jersey. A considerable amount of snow in Russia and Sweden, and also in the Netherlands.

Temperature fallen in most regions, quickly in Scotland; risen quickly in Ireland, as well as in Iceland. Morning readings below 15° in Caithness, and below 20° over a large portion of Scotland. Much below zero in Finland and the north of Sweden, and below 32° over nearly all of the mainland of the Continent. Above 45° in the west of Ireland and at a few places in the far south of our area, and as high as 55° at Oran. Maxima during day no higher than 32° in some Scottish localities, but thermometer rising during night. Maxima above 50° at some stations in the Mediterranean region, but below 40° over a large part of Europe, and below the freezing point over an extensive area in the north and east.

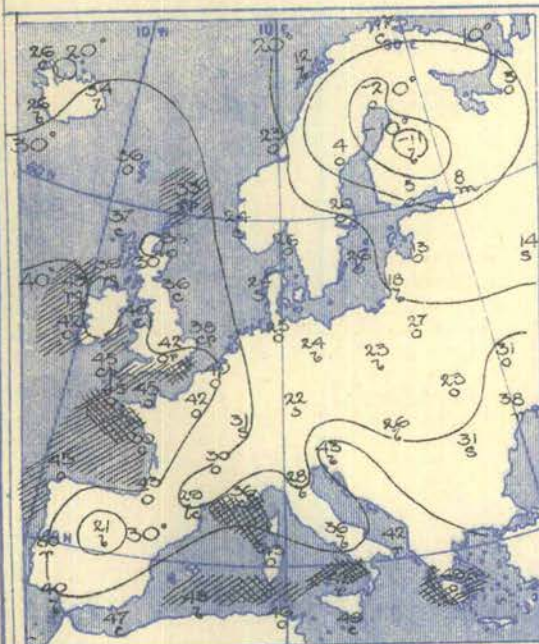
Wind in morning rather variable over the northern half of our area, mainly between West and South over the United Kingdom, and fresh to high in the extreme south-west. An extensive cyclonic circulation prevailing over Italy and the Mediterranean, the North-Westerly to Northerly current being strong to a gale. Increasing in force from the Westward during day on our southern coasts, and from the southward in the north. Not much change occurring in the south of Europe.

Barometer in morning above 30.4 ins. in the north-west of Spain; below 29.4 ins. in a depression over Italy and the Adriatic, and less than 29.2 ins. over the northern half of Iceland. Pressure giving way quickly during day over the United Kingdom and slowly in Iceland. A separate cyclonic system apparently developing directly over these Islands during evening and night. Italian disturbance becoming much less deep by evening, but gradient over the Mediterranean continuing steep in places.

Monday, 24th January, 1910.

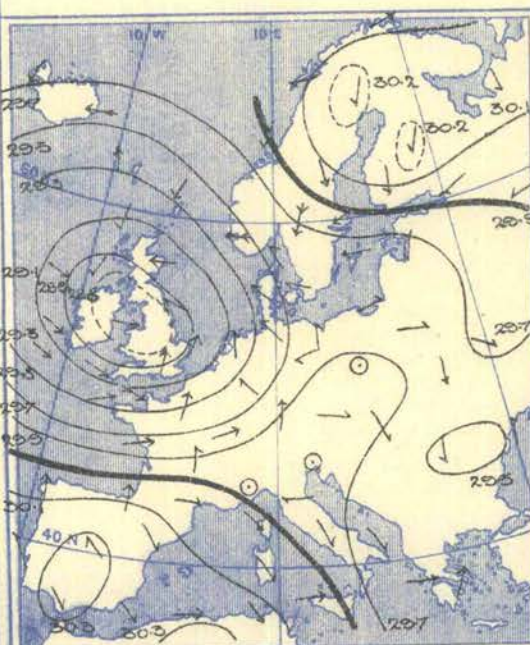
Temperature and Weather.

7 a.m.

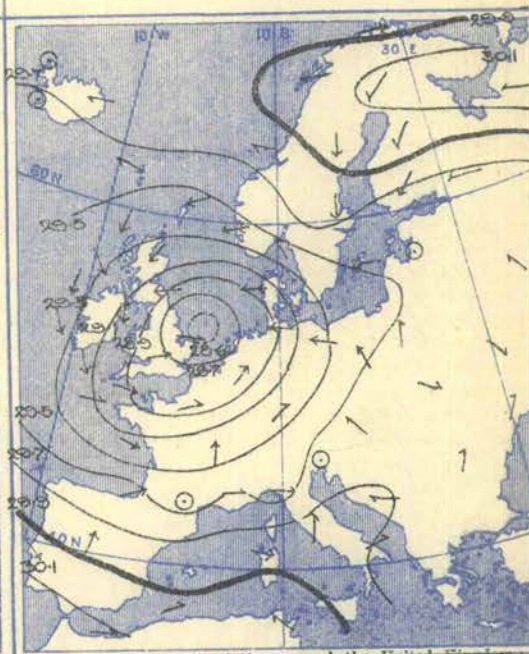


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rough and unsettled over the United Kingdom, with rain in many places; rain or snow falling over the nearer regions of the Continent, rain in some parts of southern Europe, and rain or snow in some Russian localities. Fine and bright at several stations both in the north and south of our area, but much cloud prevailing generally. A considerable amount of rain or snow later over these Islands, France, and the Low Countries, as well as at Trieste and Florence; more than 1.4 in. at the latter station. Thunder and lightning occurring at Valencia and Jersey, and also at several places in the north of France.

Temperature risen over Great Britain, France and the Netherlands, fallen in most other regions. Morning readings below 32° over the northern, eastern, and central parts of our area, as well as at Madrid and Nain; as low as -11° at Knopio. Above 40° in the west and south of these Islands, most of France, and over much of the Mediterranean region, and 50° at Rochefort and Lisbon. Falling rather than rising later in day over this country, and minima in night low generally; 20° at Wick, and 22° at Aberdeen. Maxima below 50° in almost all parts of our area, except Algeria, and below 32° in central and northern Europe.

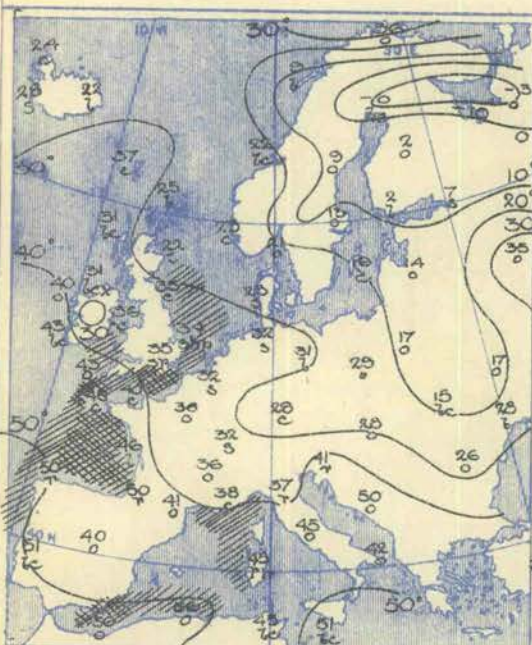
Wind in morning showing a well-defined cyclonic circulation around the United Kingdom; Westerly current strong to high on our west and south-west coasts, and strong to a gale on the English Channel; Easterly current blowing a gale at Skudesnaes and Seydisfjord. A Westerly to North-Westerly wind prevailing over the Mediterranean and southern Europe, moderate in force generally, but strong or high in places. Veering to the Northward later in most parts of this country, and reaching the force of a high wind or gale in several places; increasing to a gale from East in north Germany and Schleswig-Holstein. High winds or gales from between West and North-West general on the Bay of Biscay.

Barometer about 30.3 ins. both in the extreme south-west and north-east of Europe; below 29.5 ins. in a depression near the Balkans, and below 28.8 ins. in a large system having its minimum over the Irish Sea. Latter moving east south-eastward during day and increasing somewhat in intensity; pressure recovering quickly in its rear in the west and north of these Islands. Barometer falling in Spain and Portugal.

Tuesday, 25th January, 1910.

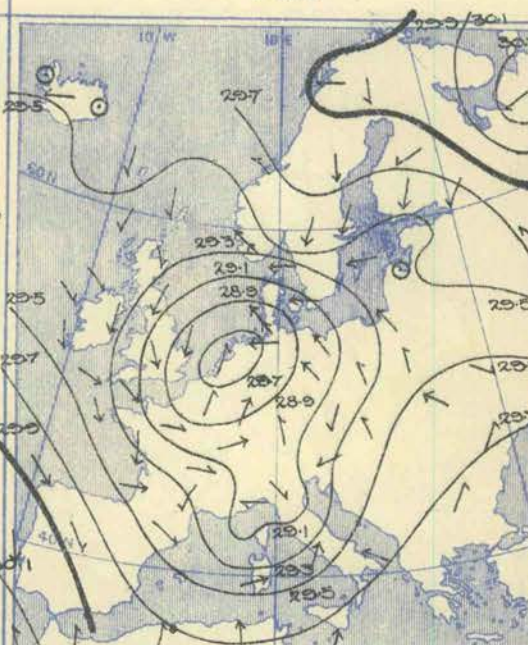
Temperature and Weather.

7 a.m.

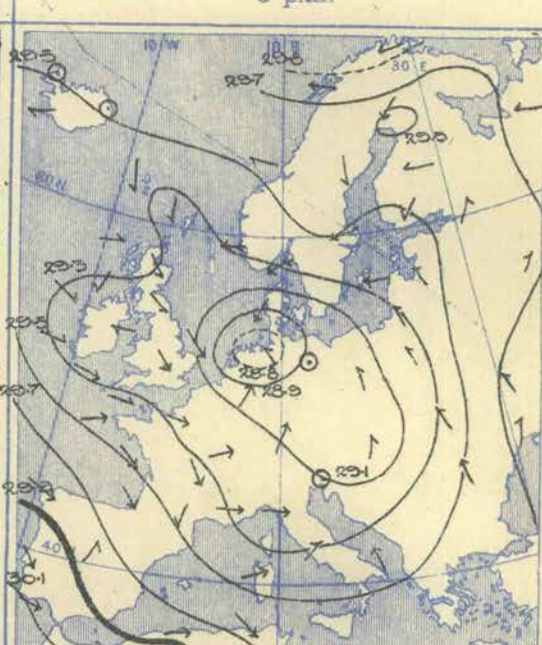


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very rough over the North Sea region, with rain, sleet, or snow in places; rainy in the south-west of France, at Corunna, and in the north of Italy, and a thunderstorm prevailing at Cagliari. Fair to fine in many other regions, but snow falling on the Gulf of Finland. A good deal of precipitation later—much of it in the form of snow—over various parts of these Islands and the greater portion of the Continent, as well as in Algeria; largest measurements reported, 1.4 in. at Bilbao, and 1.6 in. at Gap.

Temperature fallen generally, risen in some southern districts. Morning readings ranging from 56° at Nemours and Algiers, and 50° at Corunna and Biarritz, to less than 32° over the major portion of the Continent and at some of our own stations; lowest values -10° at Haparanda, and -13° at Archangel. Continuing below 32° all day in Scotland, Scandinavia, Russia, and Poland, and rising very little above it in any part of central Europe. Maxima about 60° in Algeria, but below 50° at nearly all stations in southern Europe. Frost very severe at night in Great Britain; minimum temperature -5° at west Linton, 10° or 11° at some other stations in Scotland, 18° at North Shields, and as low as 2° at Buxton. Seven degrees below zero on the grass at the latter station.

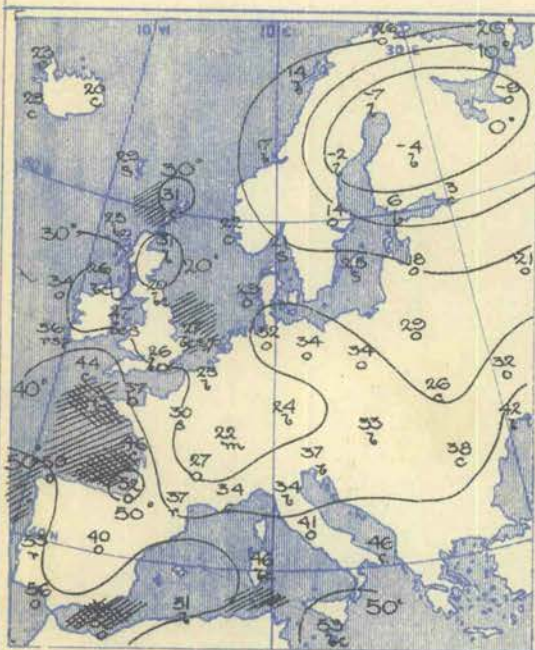
Wind in morning circulating cyclonically around the Netherlands, and blowing strongly or with gale force in several places in the east and south of England, the north of France, Denmark, and the south of Norway. A high wind from between North-West and West prevailing over the Bay of Biscay, and a moderate to strong or high wind from the Westward or South-Westward over the Mediterranean region. Not much change later in direction, but some decrease in force in many localities.

Barometer in morning above 30.0 ins. in the extreme south-west of our area, and above 30.3 ins. in the extreme north-east. Below 28.7 ins. in a deep depression centred over the Netherlands. Relatively low in secondaries elsewhere. Depression moving slowly eastward during day and beginning to decrease somewhat in intensity. Pressure falling again in nearly the whole of this country, and also in Iceland, and readings becoming much more uniform than of late.

Wednesday, 26th January, 1910.

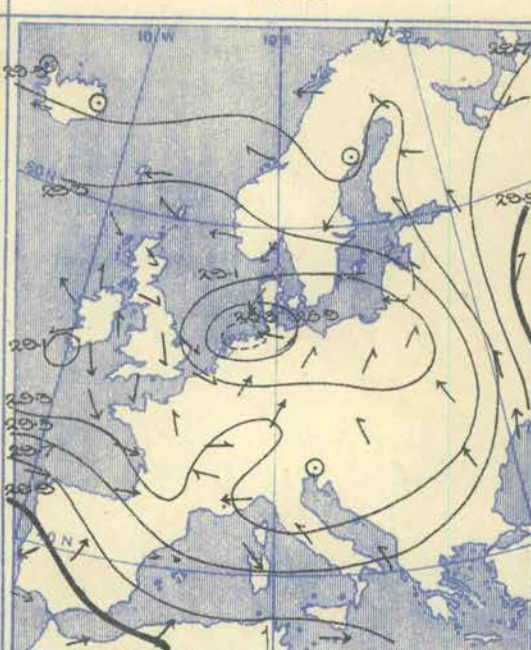
Temperature and Weather.

7 a.m.

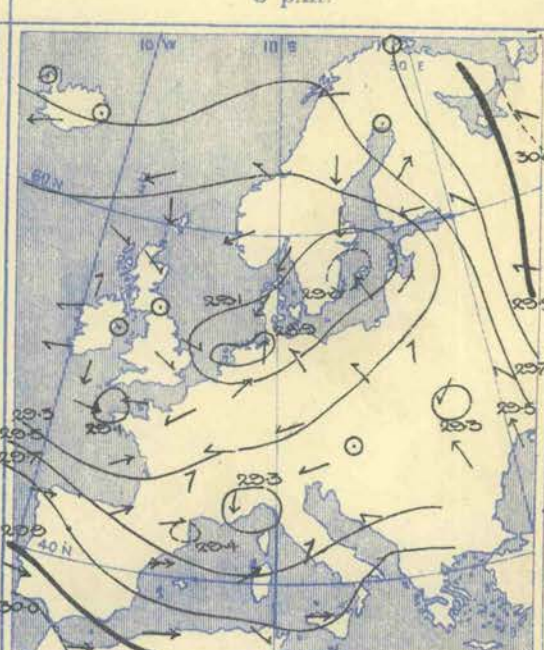


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning varying greatly; fair to fine and bright in most parts of these Islands, but snow showers in places. Rain or snow falling in several parts of France, Holland, and the Baltic region, and rain at Liabon. Fine both in the extreme south and north of our area. Heavy rain later at Scilly, and some snow in a few other parts of these Islands; considerable precipitation in France, Italy, Sweden and the south of Russia. A thunderstorm occurring at Rochefort.

Temperature fallen over these Islands, France, and the Netherlands, changed rather irregularly elsewhere. Morning readings below 32° in nearly all parts of the United Kingdom, central, northern, and eastern Europe; as low as 11° at Aberdeen, and below zero in Finland and northern Russia and Sweden. Above 50° at a few stations in the far south of our area, and as high as 57° at Oran. Remaining below 20° at Aberdeen all day, and below 32° over a large portion of this country. Maxima about freezing point in the central parts of Europe, but about 60° in the extreme south of our area. Minima very low subsequently; below 10° at some of our stations, only 1° at Buxton, and -4° at West Linton; minimum on the grass -9° at Buxton.

Wind in morning cyclonic very generally, the chief circulation being around Holland and north Germany. Easterly and North-Easterly current strong to a gale over the Baltic. Strong to high winds or gales from West and North-West prevailing over the Spanish Peninsula and its vicinity. Decreasing in force over the Baltic region during day. A fresh cyclonic circulation of little strength setting in on our south-west coasts and Brittany.

Barometer in morning below 28.8 ins. in a depression having its centre over the north of Holland, and below 29.1 ins. in another shallower disturbance off the south-west coast of Ireland. Above 29.9 ins. in the extreme south-west of Europe, and also in central Russia. Dutch disturbance remaining stationary during day, but a separate minimum forming over Gothland. South-western depression travelling south-eastward to Brittany. Not much modification occurring in the general distribution of pressure over our area.

Thursday, 27th January, 1910.

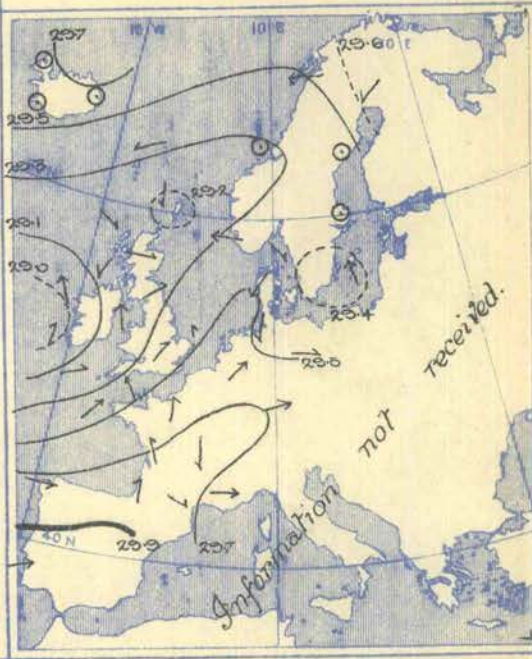
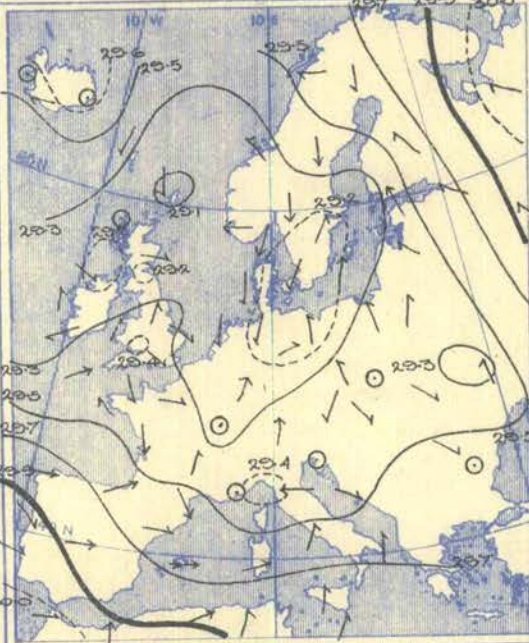
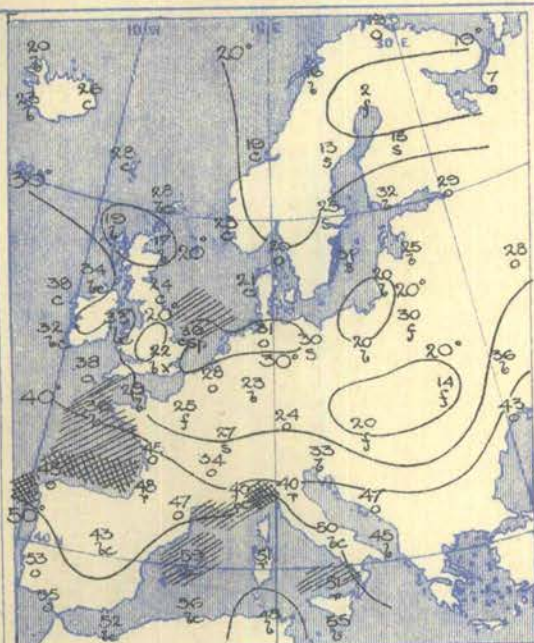
Temperature and Weather

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright in most parts of this country, Algeria, and in some other parts of our area, but snow falling on the east coast of Britain, at the Helder and many stations over the Baltic region, as well as at Belfort and Limoges, and rain in the south-west of France, the north of Italy, and at some other southern stations. Considerable bright intervals during day in many parts of Britain, but snow showers falling in most districts and rather heavy rain over the southern half of England.

Temperature changed rather irregularly; fallen in most parts of these Islands and central Europe. Morning readings below 20° over the greater part of Scotland and in central England, and also over a large area in the north-east of Europe, and below 32° over the major portion of the Mainland of the Continent; above 45° on some shores of the Mediterranean and on the west and north coasts of the Peninsula, and above 50° in places. Maxima again low in Scotland, 18° at Aberdeen and 20° at Nairn, but considerable rise taking place over the south of England, and maxima occurring during the night.

Wind in morning light and somewhat variable over the United Kingdom, but chiefly between West and North. Mainly Westerly over the south of Europe and the Mediterranean, high in places, and light from the Southward in several Russian localities. Backing to south or south-west during day in all parts of England and Ireland and increasing to a high wind in the Channel.

Barometer in morning ranging from above 30.0 ins. both in the extreme south-west and north-east of our area to below 29.3 ins. in a depression near Kieff, below 29.2 ins. in a large shallow system over Denmark and its vicinity, and below 29.1 ins. in a minimum near Shetland. Several other local irregularities in pressure existing. New depression appearing off our western coasts during day and barometer falling to below 29 ins. at Valencia by 6.0 p.m. Danish disturbance filling up and moving north-eastward.

Friday, 28th January, 1910.

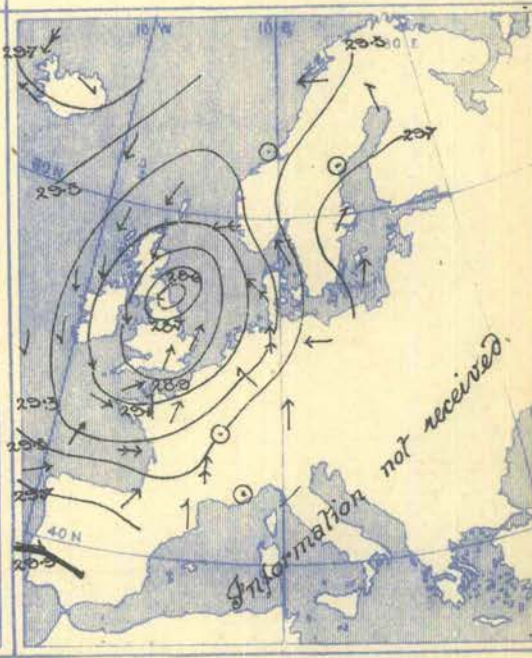
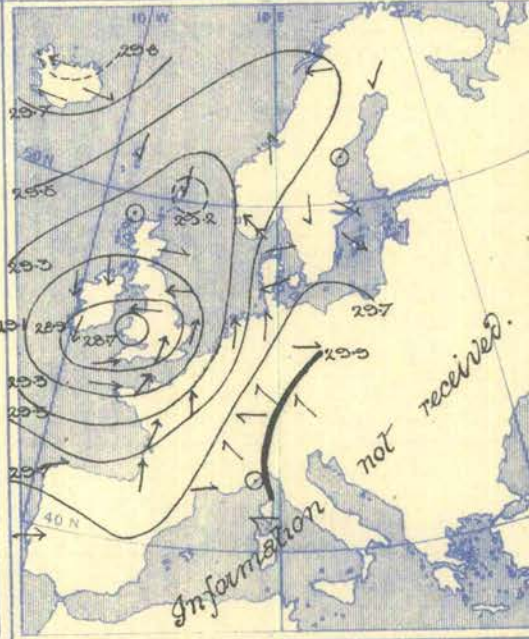
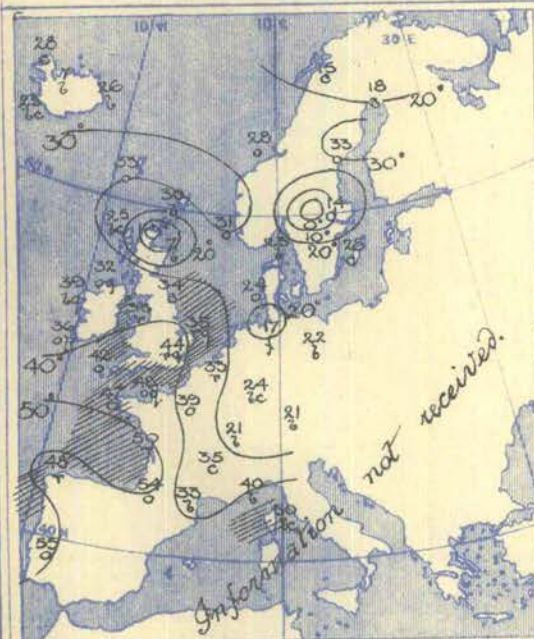
Temperature and Weather

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning very unsettled over the west and north-west of Europe, with rain in the south of these Islands and at some stations on the Continent, and snow in the north of England; fair to fine in most parts of Scotland, Germany, and the east and south-east of France. Heavy rain later in the south of England, and heavy sleet and snow in the north and in some Irish districts. Rain experienced in France and the Netherlands, and snow in various parts of northern Europe. Thunderstorms occurring on some shores of the English Channel.

Temperature risen quickly over England and the adjacent part of France, as well as in various Scandinavian localities; fallen in most of Scotland, and also in the south of Sweden. Morning readings ranging from 55° at Lisbon, 64° at Biarritz, and 48° at Jersey, to about 34° in the north of England, and to below 10° over a considerable portion of Scotland. Thermometer below 32° in Scandinavia, and as low as -4° at Karlstad. Rising later throughout these Islands, and maxima above 35° in Scotland, and above 40° in nearly all parts of England. Slight frost again at night in various parts of the Kingdom.

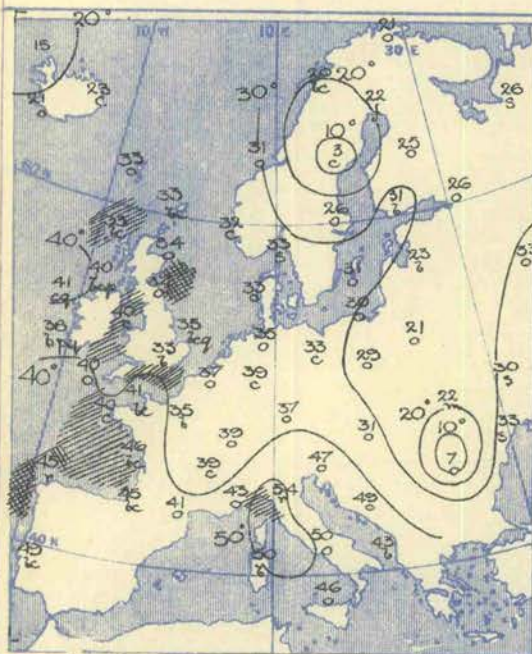
Wind in morning showing a complete cyclonic circulation over the United Kingdom and its neighbourhood; Southerly current strong to a gale over the Channel, and that from East to North strong to high over the north of England and in Ireland. Northerly wind increasing to a gale later at Holyhead, and gale continuing from the Westward at Portland Bill. Increasing to a gale from between South and East beyond the North Sea, and from West at Rochefort.

Barometer in morning below 29.7 ins. in a deep depression having its centre over the St. George's Channel, and below 29.2 ins. in another minimum near Shetland. Above 29.9 ins. in Bavaria, and relatively high both in the south-west and north-west of our area. Main depression moving across this country to the north-east coast during day and increasing in intensity, and also becoming modified in form. Barometer rising briskly in the west of Ireland, and gradient steepening over the whole of the United Kingdom and the North Sea region.

Saturday, 29th January, 1910.

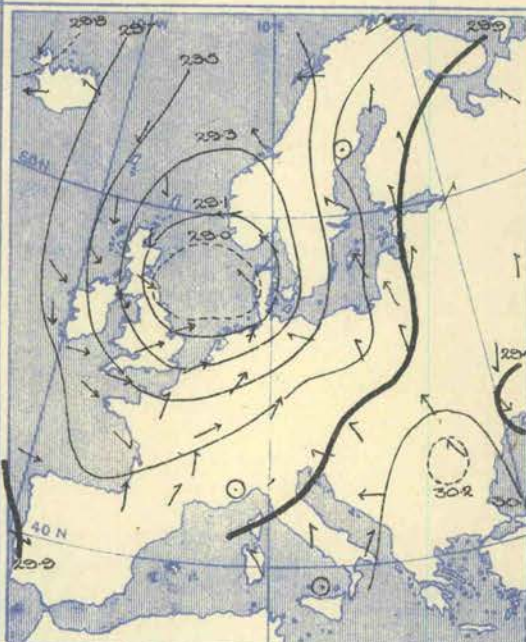
Temperature and Weather.

7 a.m.

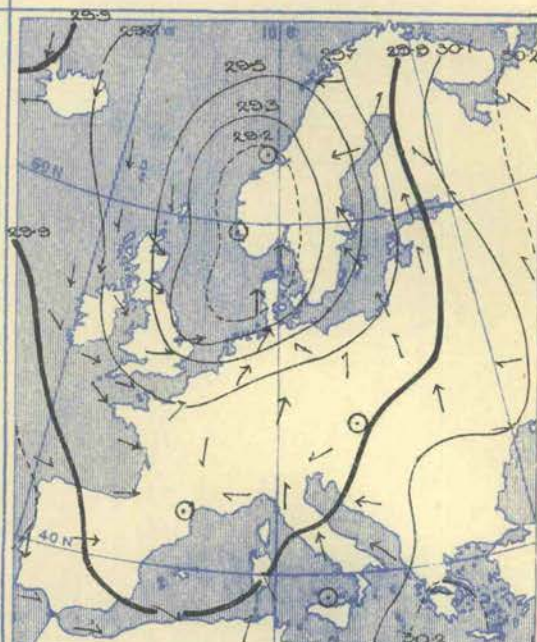


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very unsettled over all of north-western and western Europe; temporarily fair to fine in several regions, but overcast in many others, with rain or hail showers in the north and west of Ireland, rain at Corunna, and snow in places beyond the North Sea. Rain falling at Leghorn, but generally fair in the far south of our area. Much cloud and snow prevailing in Russia. Some snow and sleet showers later in various parts of these Islands, but a good deal of sunshine generally. More or less precipitation experienced over a large area on the Continent.

Temperature changed irregularly; risen in most regions, rapidly in Scotland, fallen in the south of England and in the west and north of France. Morning readings ranging from 54° at Leghorn, and 50° at Palermo, to below 35° over the greater portion of this country and most of the Continent, to below 30° at many stations, and to only 8° at Hérnösand. Maxima during day about 40° in the west and south of the United Kingdom, but only about 35° in the east and north. Thermometer rising to slightly above 50° at some French stations and on the coast of Portugal, to above 60° in Algeria, and to 70° at Tunis. Frost at night in these Islands generally; minimum 22° at Birr Castle, and 23° at Harrogate.

Wind in morning showing a well-marked cyclonic movement around the North Sea. Northerly to Westerly current strong to a gale over the United Kingdom; a gale from the South-Westward prevailing at Cuxhaven, and strong breezes from South-East and East over Denmark and Scandinavia. Light variable winds in Russia and light to fresh fresh winds from the Southward in Italy. Not much change later; decreasing in force in most parts of these Islands, but continuing strong to a gale beyond the North Sea.

Barometer in morning below 29.0 ins. in a large depression having its minimum over the North Sea; gradient over the surrounding region steep but rather uniform. Pressure increasing to above 30.1 ins. in central Russia and to above 30.2 ins. in Transylvania. Depression travelling in a north-easterly direction during day, and undergoing considerable modification in form as well as becoming less deep. Barometer rising rather briskly over these Islands and the west and north of France.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.	Ground Level.	At 100 metres above ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Jan. 25th, 2.44 p.m. to 3.40 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature 273.5° Humidity .. 70% Wind .. 300°, 9		271° 60% 215°, 18	268° 80% 225°, 20				267° 35°, 22 } 1,200	Clear. Very steady wind.
2	Jan. 27th, 3.9 p.m. to 3.45 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature 273° Humidity .. 60% Wind .. 140°, 4	273.5° 60% 160°, 8	270° 80% 180°, 12	268° 100% 200°, 13				267° 100% } 1,250 300°, 14	Clear till 2.30 p.m., snowing at 3.30 p.m.
3	Jan. 28th, 10.15 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature 277° Humidity .. 90% Wind .. 200°, 7		275° 100% 220°, 13					500	Clouds at 500 m.
4	Jan. 29th, 10.7 a.m. to 11.10 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature 274° Humidity .. 90% Wind .. 250°, 7	273.5° 90% 260°, 12	273.5° 100% 280°, 16	270° 90% 290°, 18				269° 100% } 1,350 300°, 13	Overcast to clear. Wind very steady. Some clouds below 900 m.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4
No. of Kites	1	1	1	1
Area of Surface (metres) .. .	4	8	4	4
Capacity of Balloon (cub. ft.) .. .				
Length of Wire (metres) .. .	1,500	950	450	1,800

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 5.
Vol. XXVII. (New Series.)

FIFTH WEEK, SUNDAY, JANUARY 30TH, TO SATURDAY, FEBRUARY 5TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—A changeable condition was again prevalent over the whole Kingdom, but rain was less frequent in the east than in the west and north, and periods of clear sky were not uncommon in the south-eastern, southern and south-western counties of England and in the English Channel district.

Temperature was below the average, the greatest departure being nearly 3° in England E. The highest of the maxima were registered very generally on the 5th, when they ranged from 59° in Ireland S. (at Foynes) and 55° in Ireland N., England N.W., and the Midland Counties, to 48° in Scotland N. The lowest of the minima, which were recorded very early in the week, ranged from 14° in England N.W. and 18° in Scotland E. and Ireland S., to 26° in England S.E. and S.W., and to 31° in the English Channel. The lowest grass readings reported were 8° at West Linton, 9° at Buxton and Newton Rigg, 10° at Burnley, 13° at Greenwich, 15° at Cambridge and 16° at Southport.

Mean Temperature of the Sea.—In all but a few isolated places the water was colder than during the corresponding week of last year, the difference being very considerable at some stations. The means for the week ranged from 47° at Newquay to below 40° along the east coast of Great Britain, and to 36° at Cromarty.

Rainfall exceeded the average in the north-east, north-west and south-west of England, and also in the west of Scotland, but was less elsewhere.

Bright Sunshine was rather above the average over the greater portion of England and in the north of Scotland, but somewhat below or just equal to it elsewhere. The percentage of the possible duration ranged from 41 in the English Channel, 34 in England S.E. and 32 in S.W., to 19 in Scotland E. and Ireland N.

Barometer and Wind.—Large and deep cyclonic systems in the far north influenced the barometer and winds over these Islands, while some small secondaries passed directly across the country. The general direction of the wind was between South and South-West or West, but in the rear of a "V-shaped" depression which travelled eastwards across the country on Wednesday and Thursday, it veered to the North-Westward for a time. It occasionally reached the force of a fresh or strong breeze on exposed parts of the western and southern coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 44.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth	...	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate
	Rainfall	...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine	...	Abundant	Moderate	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 9 weeks from Dec. 5th, 1909.			1 * 5	2 * 4	2 * 4	2 * 2	2 * 2	2 * 4	2 * 4	3 * 3	2 * 4	2 * 5	2 * 5	2 * 4
			3 * 2	3 * 2	3 * 1	4 * 1	5 * 1	3 * 2	3 * 1	5 * 1	5 * 2	3 * 3	3 * 3	3 * 3
			7 * 1	4 * 0	3 * 2	5 * 2	6 * 2	6 * 2	3 * 1	5 * 0	3 * 1	3 * 4	2 * 0	2 * 3
	Warmth ...													
	Rainfall ...													
	Sunshine ...													

PAST SEASONS.

WINTER, 1908-9. Nov. 29th-Mar. 6th. 14 weeks.	Warmth ...	3 * 2	3 * 2	2 * 7	4 * 6	2 * 6	4 * 6	3 * 2	4 * 6	4 * 6	6 * 1	4 * 2	5 * 5
	Rainfall ...	2 * 6	3 * 5	1 * 6	3 * 7	3 * 7	4 * 8	4 * 3	2 * 6	4 * 8	3 * 4	3 * 6	5 * 8
	Sunshine ...	6 * 2	5 * 3	3 * 3	4 * 6	4 * 6	5 * 4	4 * 2	8 * 1	6 * 2	4 * 5	2 * 4	6 * 3
SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
	Rainfall ...	3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FIFTH WEEK—January 30th to February 5th, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH		48	23	41·9	32·0	37·0	- 0·9	Day-deg. 0	Day-deg. - 7	Day-deg. 35	Day-deg. - 2	6	0	Inches. 1·12	Inches. - 0·31	11	+ 3	% 29	% + 5
Eastern																			
1. SCOTLAND, EAST		51	18	42·8	31·4	37·1	- 0·7	2	- 7	38	- 3	5	+ 1	0·34	- 0·23	11	- 3	19	- 6
2. ENGLAND, N.E.		54	20	41·7	31·4	36·6	- 2·6	0	- 10	38	+ 7	5	0	0·46	+ 0·10	13	- 1	22	- 2
3. ENGLAND, EAST		52	25	41·2	30·9	36·1	- 2·8	0	- 10	41	+ 7	4	0	0·25	- 0·13	16	- 1	26	- 1
4. MIDLAND COUNTIES		55	22	42·9	31·4	37·2	- 1·9	3	- 9	38	+ 4	5	+ 1	0·44	- 0·07	16	+ 3	27	+ 5
5. ENGLAND, S.E.		51	26	43·4	32·5	38·0	- 2·4	4	- 10	35	+ 10	4	- 1	0·40	- 0·13	21	+ 7	34	+ 11
Western																			
6. SCOTLAND, WEST		52	20	44·2	33·9	39·2	- 0·7	6	- 6	31	+ 4	6	+ 2	1·07	+ 0·04	12	0	20	0
7. ENGLAND, N.W.		55	14	43·6	34·1	38·9	- 1·1	4	- 7	29	+ 4	7	+ 2	0·88	+ 0·18	15	+ 4	25	+ 6
8. ENGLAND, S.W.		52	26	45·4	35·6	40·5	- 1·1	10	- 7	25	+ 5	6	+ 1	0·93	+ 0·11	20	+ 6	32	+ 10
9. IRELAND, NORTH		55	22	45·4	33·1	39·3	- 1·4	10	- 4	34	+ 11	6	+ 1	0·66	- 0·11	11	- 1	19	- 1
10. IRELAND, SOUTH		59	18	47·3	33·2	40·3	- 2·1	15	- 6	35	+ 18	6	+ 2	0·76	- 0·06	14	0	23	0
11. ENGLISH CHANNEL		51	31	47·6	38·9	43·2	- 1·2	21	- 3	9	+ 1	5	0	0·63	- 0·03	26	+ 9	41	+ 14
THE SEASON (Winter).—Aggregates, &c., for the Period of 9 Weeks, December 5th, 1909 to February 5th, 1910.																			
0. SCOTLAND, NORTH		55	2	*	*	*	*	40	- 28	456	+ 160	51	+ 3	11·79	- 0·23	74	+ 27	17	+ 6
Eastern																			
1. SCOTLAND, EAST		57	- 10	*	*	*	*	49	- 18	468	+ 111	40	+ 3	5·75	+ 0·21	104	+ 26	23	+ 6
2. ENGLAND, N.E.		56	6	*	*	*	*	58	- 18	331	+ 41	40	+ 7	5·62	+ 1·62	106	+ 21	22	+ 5
3. ENGLAND, EAST		57	17	*	*	*	*	68	- 14	278	- 53	41	+ 6	4·94	+ 1·24	127	+ 27	26	+ 6
4. MIDLAND COUNTIES		57	8	*	*	*	*	67	- 27	320	- 13	41	+ 7	6·03	+ 1·45	111	+ 27	23	+ 5
5. ENGLAND, S.E.		57	13	*	*	*	*	95	- 29	241	- 2	41	+ 6	6·05	+ 1·17	129	+ 31	25	+ 6
Western																			
6. SCOTLAND, WEST		57	0	*	*	*	*	73	- 27	327	+ 97	40	- 2	10·47	+ 0·35	87	+ 17	19	+ 4
7. ENGLAND, N.W.		56	7	*	*	*	*	78	- 21	259	+ 26	46	+ 8	9·52	+ 3·08	102	+ 30	21	+ 6
8. ENGLAND, S.W.		55	8	*	*	*	*	113	- 51	195	+ 21	46	+ 6	9·90	+ 1·69	109	+ 10	22	+ 2
9. IRELAND, NORTH		57	7	*	*	*	*	108	- 14	254	+ 51	48	+ 4	7·20	- 0·12	88	+ 4	13	+ 1
10. IRELAND, SOUTH		59	8	*	*	*	*	142	- 52	211	+ 59	49	+ 8	7·84	- 0·75	108	+ 7	22	+ 1
11. ENGLISH CHANNEL		56	28	*	*	*	*	211	- 43	66	+ 8	50	+ 6	7·25	+ 0·33	112	- 14	21	- 3
THE YEAR.—Aggregates, &c., for the Period of 5 Weeks, January 2nd to February 5th, 1910.																			
0. SCOTLAND, NORTH		55	2	*	*	*	*	27	- 7	254	+ 80	29	+ 2	7·17	+ 0·43	49	+ 19	20	+ 8
Eastern																			
1. SCOTLAND, EAST		57	- 10	*	*	*	*	34	- 3	265	+ 67	24	+ 4	3·24	+ 0·34	62	+ 12	24	+ 4
2. ENGLAND, N.E.		56	6	*	*	*	*	29	- 12	203	+ 38	22	+ 3	2·57	+ 0·59	69	+ 18	25	+ 7
3. ENGLAND, EAST		57	17	*	*	*	*	37	- 6	166	- 22	22	+ 3	2·15	+ 0·19	80	+ 19	28	+ 7
4. MIDLAND COUNTIES		57	10	*	*	*	*	31	- 21	183	- 3	22	+ 3	2·76	+ 0·30	72	+ 20	26	+ 7
5. ENGLAND, S.E.		57	13	*	*	*	*	50	- 11	127	- 15	22	+ 3	2·98	+ 0·41	78	+ 21	27	+ 7
Western																			
6. SCOTLAND, WEST		57	0	*	*	*	*	42	- 10	191	+ 57	24	+ 1	5·33	+ 0·05	53	+ 10	20	+ 4
7. ENGLAND, N.W.		55	7	*	*	*	*	44	- 6	156	+ 16	26	+ 5	4·93	+ 1·50	63	+ 19	23	+ 7
8. ENGLAND, S.W.		54	8	*	*	*	*	62	- 22	105	+ 1	26	+ 4	5·31	+ 1·17	63	+ 4	22	+ 2
9. IRELAND, NORTH		55	7	*	*	*	*	60	- 7	150	+ 34	27	+ 3	4·32	+ 0·43	55	+ 5	20	+ 2
10. IRELAND, SOUTH		59	18	*	*	*	*	85	- 18	117	+ 31	29	+ 7	4·51	+ 0·04	65	+ 6	23	+ 2
11. ENGLISH CHANNEL		53	28	*	*	*	*	109	- 16	32	- 7	23	+ 4	4·58	+ 1·16	72	- 2	24	- 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
Information for Stations marked *gr* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.
Correction to last week's report.—Balmoral, p. 35, absolute minimum temperature should read -10° on the 25th.

DISTRICTS.		NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.				NAMES OF STATIONS.				
				Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).		No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.		Percentage of possible duration.			
							Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°.	Below 42°.							Hrs.	Hrs.	%	%
0. SCOTLAND, N.		a, Islands.	p Balta Sound	44	5th	32	30th	41.1	35.9	38.5	—	7	0.36	—	7.3	—	14	Balta Sound.				
		a Sumburgh Head	44	4th, 5th	23	30th	41.7	30.1	35.9	- 2.7	0	43	7.08	+ 0.14	14.4	+ 4.6	27	Deerness.				
		a Stornoway	48	4th	30	30th	43.4	33.6	38.5	- 0.5	4	30	1.06	- 0.03	6.5	- 4.1	12	Stornoway.				
		a Castlebay, Barra Isd.	49	4th	31	30th	46.0	37.6	41.8	+ 0.8	11	18	7.16	—	9.2	—	16	Castlebay.				
		a Wick	43	1st, 2nd	28	30th	41.1	33.0	37.1	- 0.6	0	34	6.19	- 0.38	—	—	—	—				
		p Strathpeffer	46	5th	27	3rd	41.9	20.7	36.3	- 0.7	0	40	5.07	- 0.42	18.0	+ 0.7	32	Strathpeffer.				
		p Glencarron	47	5th	27	30, 3, 4th	41.8	32.3	37.1	+ 0.6	0	34	6.27	+ 0.33	—	—	—	—				
		p Fort Augustus	47	5th	23	30th	41.4	30.7	36.1	- 1.5	0	41	6.59	- 0.56	3.8	- 3.1	7	Fort Augustus.				
		p Fort William	47	5th	27	30th	41.2	33.8	37.9	- 1.2	0	29	7.35	+ 0.39	—	—	—	—				
		1. SCOTLAND E. ...	a Gordon Castle	49	4th	28	30th	43.9	32.5	38.2	0.0	5	35	4.27	- 0.23	15.1	—	27	Gordon Castle.			
		a Nairn	47	5th	28	3rd	43.3	31.4	37.4	+ 0.1	4	38	4.11	- 0.34	18.2	—	33	Nairn.				
		a Aberdeen	50	5th	30	30th, 31st	41.9	33.1	37.5	- 0.3	0	32	7.57	+ 0.05	8.4	- 6.1	15	Aberdeen.				
		a Balmoral	45	4th	20	5th	42.7	28.1	35.4	+ 1.5	2	49	1.03	- 0.65	9.1	—	16	Crathes S.				
		p Crieff	47	5th	26	30th	41.3	32.3	36.8	- 0.6	0	36	6.66	- 0.21	8.3	—	15	Balruidery				
		a Leith	51	5th	30	30th, 31st	45.6	34.6	40.1	+ 1.0	10	28	6.17	- 0.21	9.8	- 0.3	17	Edinburgh.				
		a West Linton	48	5th	18	30th	40.8	28.6	34.7	- 1.6	0	51	7.57	—	12.8	—	22	West Linton.				
		p Marchmont	51	5th	24	30th	42.6	30.7	36.7	+ 0.2	2	40	3.35	- 0.17	10.2	- 2.8	18	Marchmont.				
		2. ENGLAND, N.E.	a Alnwick Castle	50	5th	27	30th	41.5	31.8	36.7	- 1.3	0	37	6.45	- 0.05	12.5	—	21	Cockle Park.			
		a Shields	54	5th	24	30th, 31st	43.3	30.1	36.7	- 1.8	4	43	4.38	+ 0.04	8.7	- 0.2	15	Newcastle.				
		p Durham	49	5th	24	30th	40.0	31.0	35.5	- 1.8	0	46	5.32	- 0.02	12.4	- 0.8	21	Durham.				
		p Rounton	51	5th	20	30th	41.4	31.0	36.2	- 0.7	0	41	6.29	+ 0.10	—	—	—	—				
		p Scarborough	53	5th	29	30th	42.7	32.9	37.8	- 0.7	2	32	7.57	+ 0.13	13.0	—	22	Scarborough.				
		p York	53	5th	25	30th	41.9	32.6	37.3	- 0.8	0	33	6.82	+ 0.44	13.2	+ 2.9	22	York.				
		a Spurn Head	50	5th	30	30th	41.6	33.0	37.3	- 1.4	0	33	5.42	+ 0.14	—	—	—	—				
		a Lincoln	52	5th	25	30th	41.8	30.3	36.1	- 1.3	0	41	6.65	+ 0.25	14.7	—	25	Skegness.				
		a Fulbeck	52	5th	23	30th	41.3	30.3	35.8	- 2.0	0	43	4.20	- 0.18	12.9	—	21	Rauceby.				
		p Cromer	48	5th	30	31st, 5th	39.0	31.3	35.2	- 1.7	0	48	5.15	—	12.9	—	21	Lowestoft.				
		p Hillington	49	5th	27	30th, 5th	40.7	30.3	35.5	- 1.8	0	46	4.62	+ 0.18	13.8	+ 0.4	23	Cromer.				
		a Yarmouth	49	5th	27	31st	40.4	31.3	35.9	- 1.6	0	43	3.19	- 0.15	15.8	—	26	Hillington.				
		a Norwich	52	5th	26	30th	40.4	30.2	35.3	- 2.0	0	47	4.20	—	—	—	—	—				
		p Geldeston	47	5th	25	30th	41.3	29.9	35.6	- 2.5	0	45	6.11	- 0.23	12.8	- 1.9	21	Geldeston.				
		p Cambridge	50	5th	25	5th	42.9	30.1	36.5	- 1.4	3	42	3.31	- 0.01	15.5	+ 1.4	25	Cambridge.				
		a Felixstowe	49	5th	27	30th	41.7	30.9	36.3	- 2.1	0	40	4.25	—	22.9	—	38	Felixstowe.				
		a Clacton-on-Sea	48	5th	27	30th, 31st	40.9	30.7	35.8	- 2.6	0	43	2.12	—	20.4	—	33	Clacton.				
		a Rothamsted	51	5th	26	5th	42.6	30.8	36.7	- 0.6	2	40	5.36	- 0.10	19.7	+ 6.4	32	Rothamsted.				
		a Shobury	51	5th	30	30th, 5th	42.1	32.0	37.1	- 1.6	0	35	1.03	- 0.25	21.5	—	35	Southend.				
		p Tottenham	50	5th	31	30th, 5th	42.5	33.5	38.0	- 0.8	1	30	3.23	—	14.8	—	24	Tottenham.				
		4. MIDLAND COUNTIES.	a Harrogate	48	5th	23	30th	39.9	31.7	35.8	- 0.9	0	43	6.58	+ 0.07	15.3	—	26	Harrogate.			
		a Bawtry	55	5th	22	31st	42.0	30.6	36.3	- 1.3	0	40	5.50	+ 0.12	13.0	+ 2.0	22	Workshop.				
		p Buxton	47	5th	32	30th, 3rd	39.0	33.5	36.3	+ 1.0	0	40	1.57	+ 0.55	11.5	—	19	Buxton.				
		a Nottingham	53	5th	25	31st	42.2	31.3	37.0	- 0.7	2	38	6.29	- 0.11	13.3	—	22	Nottingham.				
		p Birmingham Edgban	50	5th	29	30th	42.2	32.6	37.4	- 0.3	1	33	4.53	+ 0.10	15.4	—	25	Birmingham.				
		a Raunds	51	5th	25	30th	43.1	29.4	36.3	- 0.9	3	45	4.22	—	—	—	—	—				
		a Oxford	51	5th	29	4th	43.9	33.0	38.5	- 0.2	5	33	4.46	+ 0.06	21.1	+ 7.7	34	Oxford.				
		a Cheddle	49	5th	22	30th	40.0	29.1	34.6	- 2.3	0	52	6.88	+ 0.36	14.5	—	24	Sheffield.				
		p Shrewsbury	53	5th	28	3rd, 5th	44.8	32.5	38.7	+ 0.1	8	36	5.14	—	—	—	—	—				
		a Hereford	54	5th	29	30th, 31st	44.9	32.2	38.6	+ 0.1	8	37	5.39	- 0.11	—	—	—	—				
		a Cirencester	48	5th	26	5th	43.2	29.9	36.6	- 0.9	3	44	5.39	- 0.11	18.6	+ 5.1	30	Cirencester.				
		a Bath	52	5th	28	5th	45.4	33.1	39.3	- 0.3	10	34	6.47	- 0.04	19.8	—	32	Bath.				
		5. ENGLAND, S.E. ...	p Kew	49	5th	29	5th	43.0	32.4	37.7	- 1.3	3	34	3.11	- 0.26	16.7	+ 5.3	27	Ramsgate.			
		a Marlborough	50	5th	27	30th, 5th	43.2	31.3	37.3	- 0.2	3	39	3.53	- 0.02	13.2	+ 1.3	21	Marlborough.				
		a Margate	51	5th	31	31st, 2nd	42.6	32.3	37.5	- 1.6	2	35	3.12	- 0.23	18.5	+ 5.0	30	Margate.				
		a Wisley, Surrey	51	5th	29	30, 4, 5th	43.9	33.0	38.5	- 0.9	5	33	3.10	—	20.2	—	33	Wisley.				
		a Swarston	51	5th	26	5th	43.2	30.4	36.8	- 1.0	3	41	5.56	+ 0.01	30.6	—	49	Worthing.				
		a Tunbridge Wells	48	5th	28	30th, 31st	41.9	30.5	36.2	- 1.6	0	41	3.31	- 0.23	21.5	+ 8.6	35	Tunbridge Wells.				
		a Dungeness	46	5th	28	5th	42.4	32.4	37.4	- 2.0	1	34	5.63	+ 0.24	23.3	—	35	Littlestone.				
		p Hastings	46	31st, 5th	30	30th	42.7	33.5	38.1	- 1.6	2	30	5.96	+ 0.46	26.5	+ 10.5	42	Hastings.				
		p Southampton	48	5th	29	30th	45.3	32.8	39.1	- 1.2	9	35	6.35	- 0.20	17.2	+ 2.8	28	Southampton.				
		a Ventnor	49	5th	33	30th	45.7	36.5	41.1	- 0.3	10	22	4.35	- 0.19	26.9	+ 11.1	43	Ventnor.				
		LONDON	a Westminster	52	5th	23	5th	44.4	32.4	38.4	- 0.8	7	35	4.10	- 0.27	19.9	+ 5.0	32	Eastbourne.			
		a Greenwich	51	5th	28	5th	45.3	31.4	37.4	- 1.4	4	38	5.09	- 0.26	9.4	- 2.4	11	Westminister.				
		a Greenwick	51	5th	28	5th	45.3	31.4	37.4	- 1.4	4	38	5.09	- 0.26	9.4	- 2.4	11	Greenwich.				
		6. {	a, SCOTLAND, W. ...	a Laudaie	47	5th	26	30th	43.3	32.6	38.0	- 0.7	4	34	7.29	+ 1.31	—	—	—	—		
		p Poltalloch	51	5th	29	30th	43.2	35.8	39.5	+ 1.1	3	23	6.35	- 0.35	4.8	- 2.9	8	Glasgow.				
		p Glasgow	49	5th	28	30th	43.9	35.3	39.6	+ 0.2	5	25	7.73	+ 0.80	—	—	—	—				
		a Kilmarnock	50	5th	20	30th	40.3	31.4	35.9	- 0.2	12	40	4.57	—	1.8	—	3	Kilmarnock.				
		a Colmonell	51	5th	31	30th	45.2	33.9	39.6	- 0.9	9	31	7.89	- 0.06	—	—	—	—				
		p Dumfries	50	5th	26	30th	42.6	33.6	38.1	- 0.3	2	30	7.82	+ 0.07	8.4	—	14	Dumfries.				
		p Cally, Gatehouse	47	5th	25	30th	44.8	32.7	38.8	- 0.6	8	35	6.90	- 0.10	—	—	—	—				
		p Douglas	52	5th	31	30th	44.1	35.5	39.8	- 0.6	6	24	7.97	+ 0.18	18.8	+ 4.8						

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	34.4	—	Harrogate	6	21	35.2	38.2	6. Dumfries	4	20	33.0	38.0
1. Aberdeen	—	—	—	37.9	Huddersfield	3	18	34.1	39.4	Douglas	4	25	—	—
Crathes	—	—	—	36.1	Buxton	5	9	33.6	40.6	Aspatia	2	18	—	—
Balmoral	3	17	33.0	—	Sheffield	7	18	34.2	40.2	Newton Rigg	4	9	34.2	38.3
West Linton	5	17	—	—	Nottingham	4	20	33.2	37.6	Burnley	3	10	33.1	39.5
Marchmont	4	8	33.0	—	Oxford	5	22	36.2	42.4	Southport	4	16	32.7	37.3
2. Cockle Park	4	22	32.9	37.3	Hereford	4	22	—	—	Manchester City	1	21	33.6	40.7
Durham	4	18	—	—	Cirencester	5	22	—	—	Bettws-y-Coed	3	30	35.7	41.6
York	—	—	35.0	39.8	Bath	—	—	37.5	41.1	3. Llangammarch Wells	5	22	36.8	42.9
Hull	3	24	35.0	42.0	Margate	5	28	36.3	40.3	Cardiff	3	25	36.9	41.9
Lincoln	—	—	33.0	36.9	Greenwich	6	13	—	—	Clifton	4	24	—	—
Rauceby	5	20	35.2	41.3	Westminster	5	21	—	—	Plymouth	1	23	39.5	—
3. Norwich	5	21	—	—	Kew	5	18	35.5	42.1	9. Armagh	3	20	36.5	41.2
Yarmouth	—	—	34.9	40.6	Canterbury	7	21	35.9	41.9	Markree	4	29	38.4	42.7
Lowestoft	4	22	35.4	39.9	Tunbridge Wells	6	21	34.3	—	10. Dublin, Trin. Coll. ..	3	19	37.0	41.6
Cambridge	7	15	34.6	40.3	Wisley	5	21	35.8	40.7	11. Guernsey, Brooklyn ..	3	26	40.2	44.6
Clacton-on-Sea	6	19	37.2	42.1	Worthing	4	22	36.6	42.2					
Southend	7	23	36.4	—	Portsmouth	5	21	37.1	42.8					
Tottenham	5	22	—	41.6	6. Glasgow	2	17	—	—					
					Rothsay	—	—	—	39.9					
					Colmonell	2	30	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	41	41	41.0	SCOTLAND, W.	Lamlash	43	42	42.3
	Kirkwall	41	35	39.0		Ballantrae	42	40	41.0
	Wick	42	42	42.0	ENGLAND, N.W.	Port Erin	44	41	42.5
SCOTLAND, E.	Cromarty	38	33	35.7		Newquay	47	47	47.0
	Pennan Bay	41	37	39.3	ENGLAND, S.W.	Plymouth	47	46	46.3
	Aberdeen, Cove Bay ..	40	38	39.0		Salcombe	47	44	45.8
ENGLAND, N.E.	Burnmouth, Berwick ..	38	36	37.0		Sheephaven	43	43	43.0
	Scarborough	42	37	39.1	IRELAND, N.W.	Teelin	44	39	42.0
ENGLAND, E.	Shipwash Lightship ..	40	38	39.4		Cleggan	45	40	42.4
	Margate	40	38	39.4	IRELAND, S.W.	Seafield	46	43	44.5
ENGLAND, S.E.	Eastbourne	42	40	40.6	IRELAND, E.				

† Only one observation each day.

Additional Observations in the Upper Air.
REGISTERING BALLOON ASCENTS.

1. MANCHESTER. January 6th, 5.52 p.m.						3. DITCHAM PARK, PETERSFIELD. January 6th, 5.36 p.m.					
Height kms.	Pressure. Mm. Mgd.	Temperature. °A.	Height kms.	Pressure. Mm. Mgd.	Temperature. °A.	Height kms.	Pressure. Mm. Mgd.	Temperature. °A.	Height kms.	Pressure. Mm. Mgd.	Temperature. °A.
Ground	772 1.030	278.4	7.5	297 396	245.5 248	Ground	760 1.013	277	7.5	300 400	240
0.5	727 .969	276.5 280.5	8.0	276 368	243 245	0.5	730 .973	280	8.0	280 373	236
1.0	685 .914	280.5 284.5	8.5	257 342	238.5 239.5	1.0	690 .929	284	8.5	280 347	231.5
1.5	646 .861	285 282	9.0	238 318	233	1.5	645 .860	284	9.0	240 320	227
2.0	608 .811	282 279.5	9.5	222 296	227	2.0	610 .813	281.5	9.5	225 300	224
					221						
2.5	572 .763	279 276.5	10.0	206 275	218	2.5	575 .767	278	10.0	195 260	217.5
3.0	538 .718	276 273	11.0	174 232	211	3.0	540 .720	274	11.0	175 234	215
3.5	505 .674	272.5 269	12.0	148 198	209	3.5	500 .667	270.5	12.0		
4.0	472 .630	268.5 265.5	13.0	127 169	211	4.0	475 .634	268	13.0		
4.5	444 .592	265.5 261.5	14.0	109 145	213	4.5	445 .594	265	14.0		
5.0	415 .554	262 259	15.0	92 122	213	5.0	415 .554	262	15.0		
5.5	390 .520	259.5 256.5	16.0	80 107	213.5	5.5	390 .520	258	16.0		
6.0	364 .485	256.5 251.5	17.0	68 99	213	6.0	367 .489	253	17.0		
6.5	342 .456	250 248	18.0	58 97.8	212	6.5	345 .460	249	18.0		
7.0	318 .424	247.5				7.0	325 .434	244			

No. 1.—Balloon fell at Strensall, Yorks., distant 95 km., direction 52°. Mean Temperature Gradient (1 km. to 8 km.) 0.61° per 100 metres. A very unusual trace. Temperature inversion of 9° between 0.5 and 1.5 km. Further inversion of 2° between 6.3 and 7.3 km. Exceedingly large gradient, in excess of dry adiabatic, from 8 to 10.5 km. Ascent and descent traces cross each other at 1 and 7 km.

No. 2.—Balloon fell at Hampton, Seale, Farnham, Surrey, distant 32 km., direction 29°. Mean Temperature Gradient (Ground to 11 km.) 0.60° per 100 metres. Wind S.E. Very light. Fog. Maximum height, 11.5 km. Corresponding temperature 212°, pressure 160 mm., 213 m.g.d.

For other ascents on January 6th, see pp. 20, 28.

EXPLANATION of NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Sunday, 30th January, 1910.

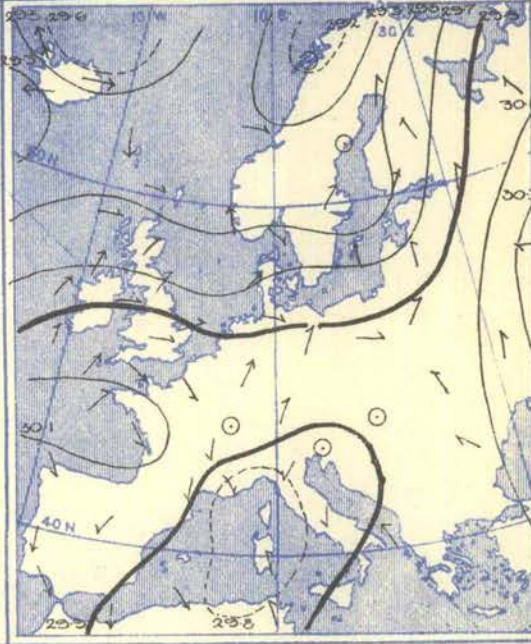
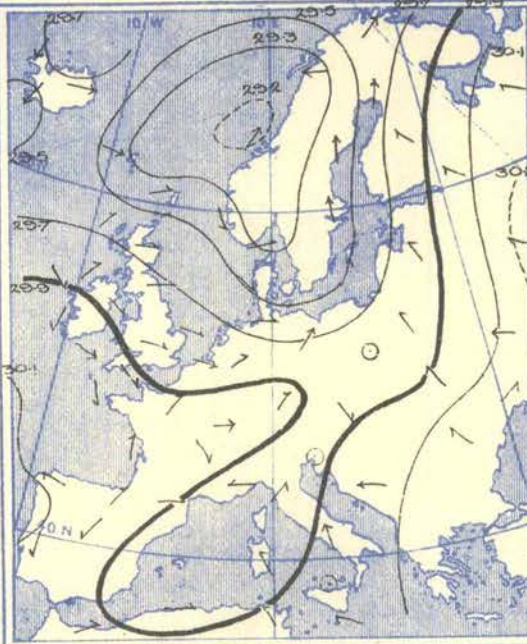
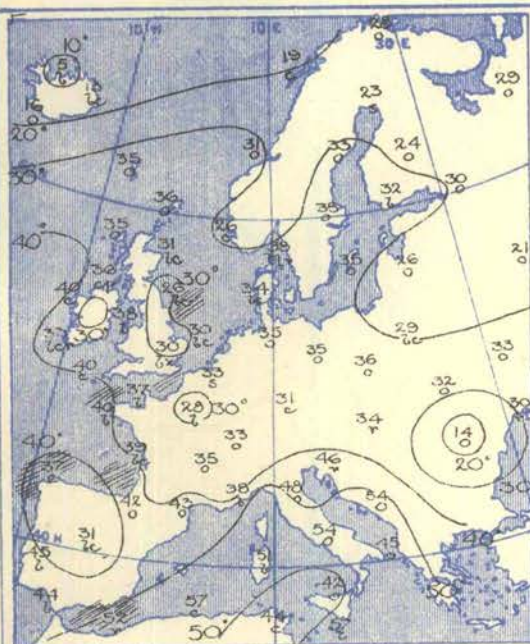
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright in nearly all parts of these Islands and the southern regions of Europe, but rainy in some parts of northern Italy and at Trieste. Overcast, with rain or snow in places, over the eastern half of the Continent; a thunderstorm in progress at Skagen, and rain falling in the west of Algeria. A little precipitation later in various parts of these Islands, and more considerable quantities in scattered localities on the Continent, as well as on the north coast of Africa; more than an inch at Algiers.

Temperature fallen in most regions, rather decidedly in this country. Morning readings ranging from above 50° at a few places in the extreme south, to below 32° over a very large area, and to 14° at Hermannstadt. Maxima during day above 40° over the greater portion of the United Kingdom, but remaining below it at nearly all stations over the northern half of the Continent. Thermometer touching or rising above 50° at many places in the south of our area, reaching 64° at Malta, and 70° at Tunis.

Wind in morning cyclonic over all the more north-western countries. Mainly North-Westerly in these Islands and light to moderate in force, moderate to high from the South-Westward in Germany, and moderate to strong from the Southward over Sweden, Finland, and the Gulf of Bothnia. Light variable airs prevailing in the south of Europe. Backing to West or South-West later over these Islands, and increasing somewhat in force on the north-west coast. Increasing to a gale from East and South-East in the west of Iceland.

Barometer in morning above 30.3 ins. in central Russia, and relatively high in the south-west of our area. Below 29.2 ins. in a depression off the west coast of Norway, and below 29.5 ins. in another system spreading over Iceland. Pressure giving way decidedly during day in Iceland and slowly in the west and north of these Islands. Russian anticyclone maintaining its position, and barometer becoming higher in France and the central countries.

Monday, 31st January, 1910.

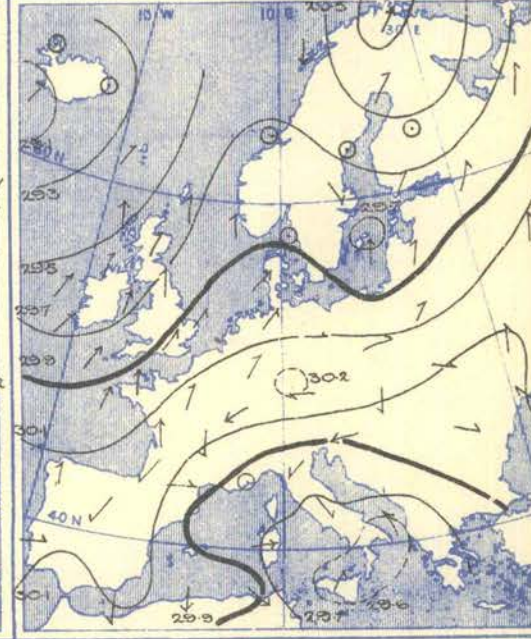
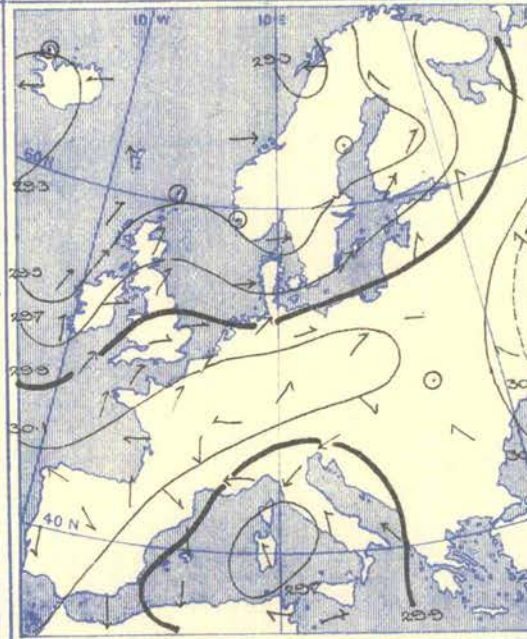
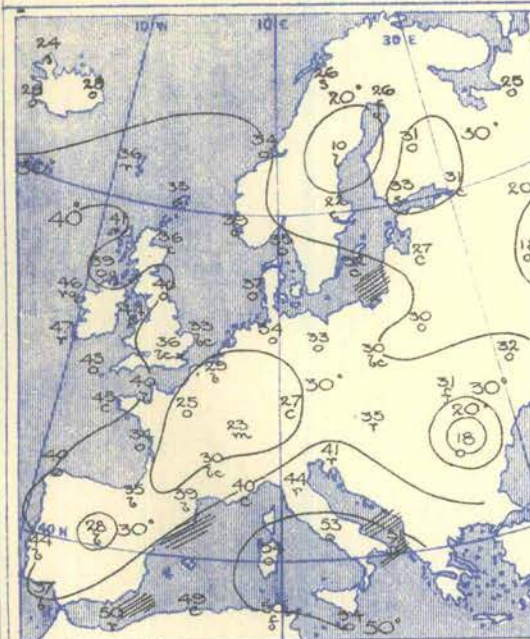
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning rainy in the west of Ireland, the north of Scotland, Corsica, and in northern Italy, and rain or snow falling at various stations in the central and northern regions of the Continent. Generally fair to fine in France and the Spanish Peninsula, and also in most parts of Algeria, but rain falling at Oran. Slight rain later in many localities in this country, and rain or snow, mostly slight, in several places on the Continent. About an inch of rain measured at Algiers.

Temperature risen over the United Kingdom, fallen at many places on the Continent. Morning readings ranging from 10° at Hernösand, and below 30° over large districts over the mainland of the Continent, to 45° in the south-west of these Islands, and to 50° or rather higher over a considerable area on the Mediterranean. Rising during day to between 40° and 45° over the greater portion of the United Kingdom, but remaining below 40° at most places in central Europe and in the east of France. Maxima below 60° at most stations in the far south, but as high as 71° at Palermo.

Wind in morning between West and South-West over these Islands, the North Sea, central Europe, and the Baltic, and between South and East in Finland and the north of Scandinavia. Strong on the west coast of Ireland, but light or moderate generally. A cyclonic circulation of light to high winds prevailing over the Mediterranean. Little change during day; becoming high from the Eastward at Trieste, and strong from the Southward on some parts of the north German coast, as well as on the coast of Wales.

Barometer in morning above 30.1 ins. in an elongated area extending from the Bay of Biscay to Poland, and above 30.3 ins. in the south-east of Russia. Below 29.7 ins. in a depression centred over Sardinia, and below 29.3 ins. in other systems in the far north and north-west of our area. No great modification occurring later in the general distribution of pressure. A secondary disturbance appearing over the extreme south-west of these Islands, and pressure continuing to decrease in Iceland.

Tuesday, 1st February, 1910.

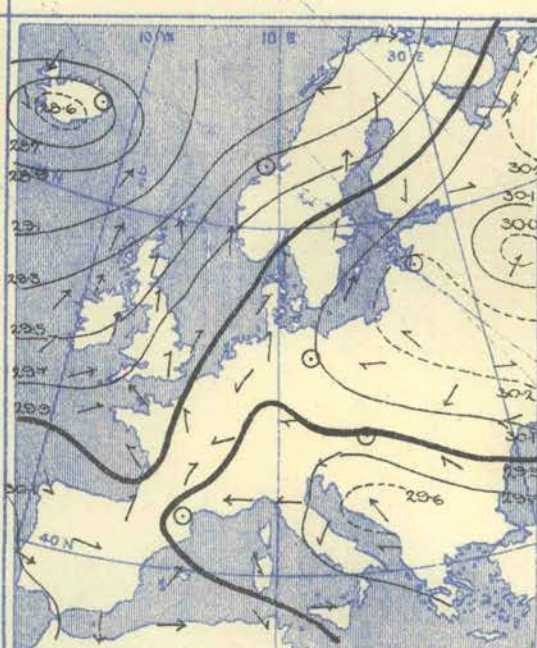
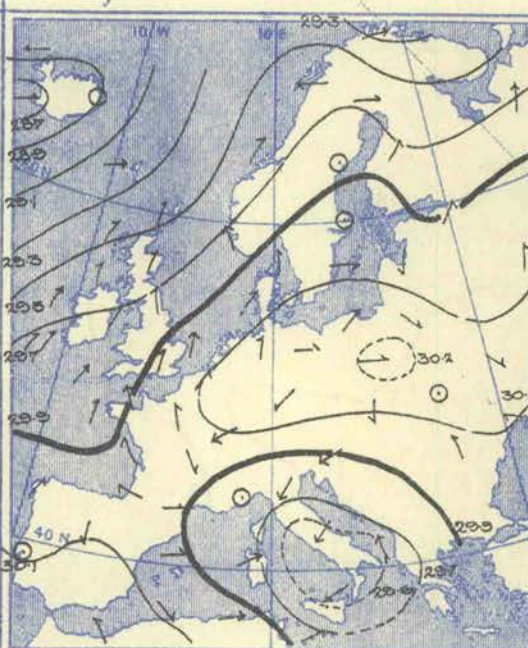
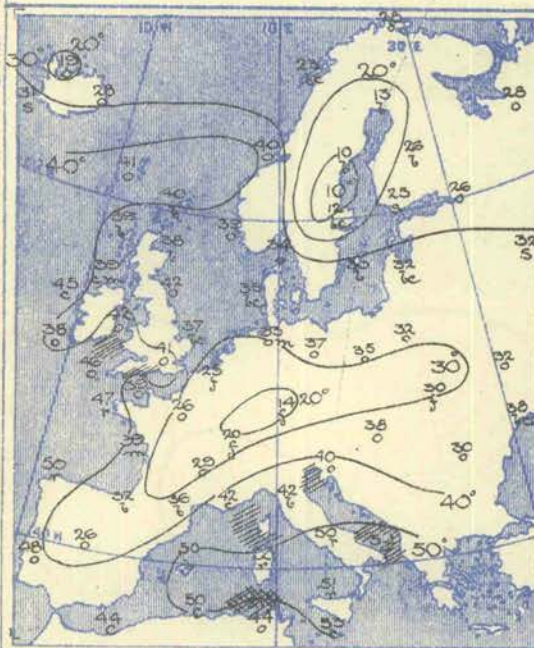
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright over a considerable portion of our area, but mostly very cloudy or overcast; rainy in Brittany and Italy, and also at Nottingham and Corunna, and snow falling at St. Petersburg. Showers later in almost all parts of these Islands and a certain amount of precipitation in places over a wide area on the Continent; fall very considerable over the southern half of Italy, and as much as 0.9 at Palermo.

Temperature changed rather irregularly. Morning readings ranging from about 50° at some stations on the shores of the Mediterranean, to below 32° over the major portion of the Continent, to 20° at Belfort and Cracow, 14° at Munich, and to 4° at Karlstad. Maxima during day below 40° at some English stations, but about 50° in the west of Ireland. Thermometer reaching 60° at a few places in the far south of our area, but scarcely touching 32° in some central districts, and rising no higher than 30° at Paris.

Wind in morning moderate from between South and South-West at most places in the west and north-west of our area, and light and variable over the central countries. A well-marked cyclonic circulation prevailing over Italy and its vicinity, the Easterly current being strong at Trieste. Becoming high from the Southward by evening at Stornoway and Portland Bill, and strong to a gale on the south-west coast of Norway. A complete cyclonic circulation setting in over the Icelandic region.

Barometer in morning above 30.1 ins. over all the central portion of Europe and the south of Russia. Below 29.5 ins. in a depression over Italy, less than 29.3 ins. in the extreme north of Europe, and below 28.7 ins. over the west of Iceland. Relatively low in a shallow depression over the south-west of these Islands. A fairly well-defined minimum appearing off the south of Iceland later, and pressure giving way decidedly over the west and north of these Islands. A rather shallow depression over Italy and the Adriatic travelling eastward.

Wednesday, 2nd February, 1910.

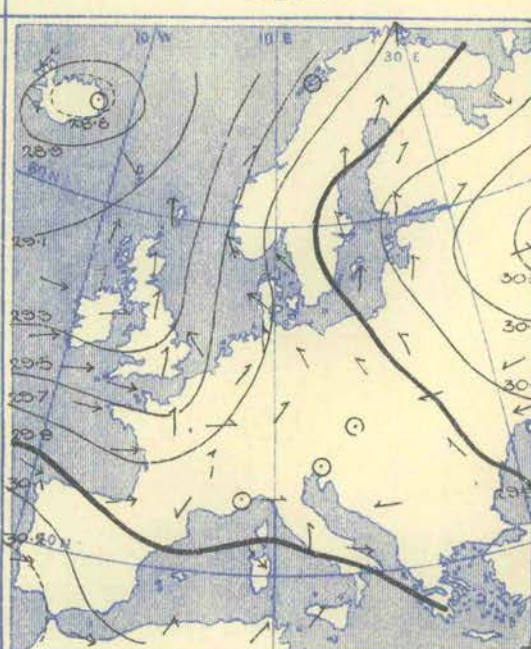
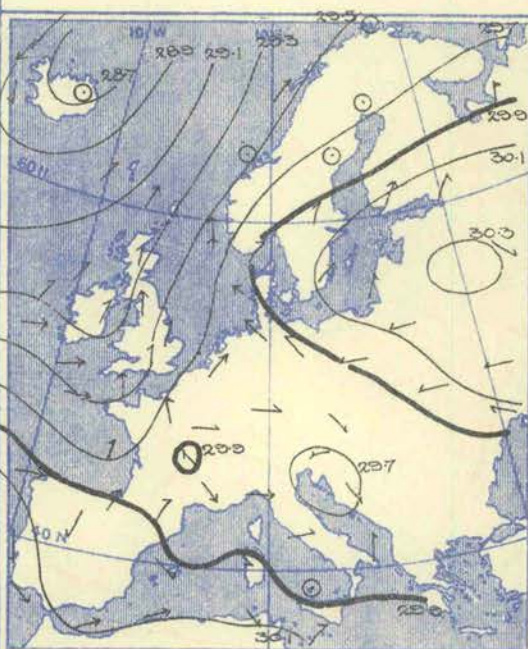
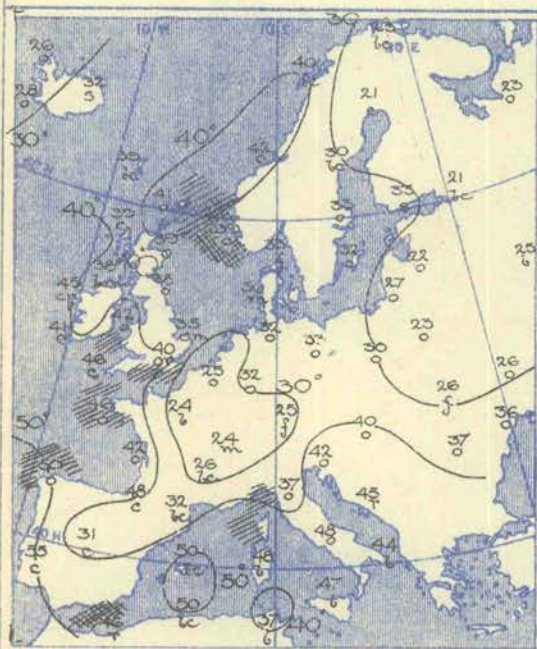
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright over a considerable area both in the south and north of Europe, but overcast in several regions, with rain in the south and east of England, as well as at Oran, Pesaro, and Bucharest, and snow at Helsingfors and at some places in Iceland. Some snow later in the north-east of England, and some rain in most other parts of these Islands, as well as in France, Austria-Hungary, and in various districts of southern Europe; more than an inch at Bordeaux.

Temperature changed rather irregularly; morning readings ranging from 55° at Lisbon, and about 50° at several other places in the south, to below 32° in considerable patches over the mainland of the Continent. Maxima during day above 40° at nearly all our own stations, but below 35° at many places in the central countries and the east of France. Thermometer rising to about 50° on the Riviera, and to between 55° and 60° at some places in the extreme south. Frost at night in the north-east of these Islands.

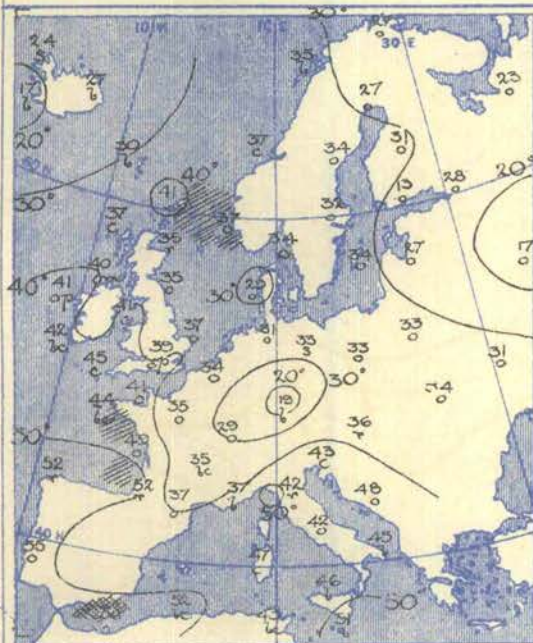
Wind in morning Southerly over nearly all of this country and the North Sea region; fresh on our south-east coast, and strong to a gale on the south-west coast of Norway; A fresh North-Westerly breeze prevailing over the Bay of Biscay, and light winds from various quarters over the Mediterranean. An anticyclonic circulation shown over Russia. Veering somewhat during day in the west of this country, but very little change as a whole; increasing to a gale from the Northward in the west of Iceland.

Barometer in morning above 30.2 ins. over central Russia and also to the westward of Portugal; below 28.7 ins. in a depression over Iceland, and relatively low in a secondary passing slowly over England, and in other systems in the south of Europe. Pressure becoming higher in central Russia later, but not much change occurring in the general distribution. Iceland depression remaining almost stationary, and that over England travelling very slowly eastward.

Thursday, 3rd February, 1910.

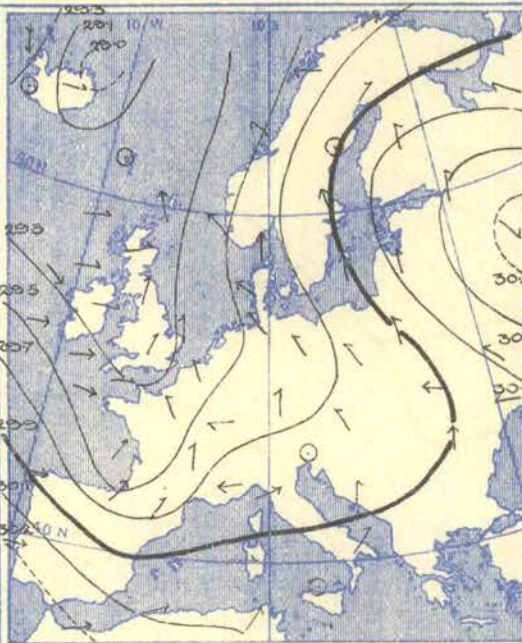
Temperature and Weather.

7 a.m.

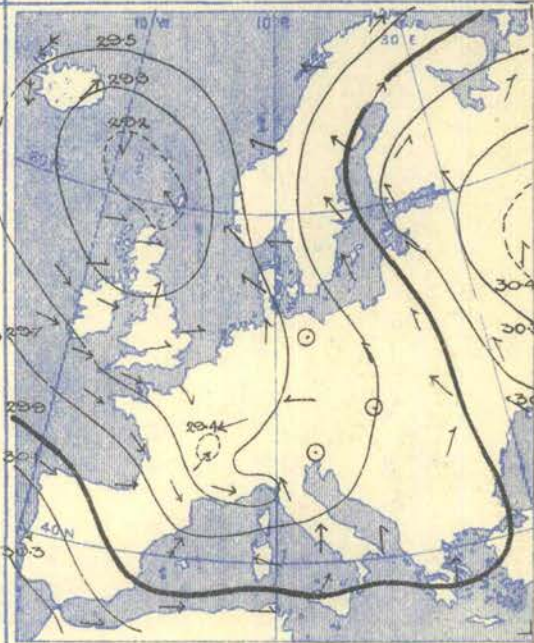


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright in many places, mostly in the south of our area, but generally very cloudy or entirely overcast, with rain in some parts of these Islands, and also over a large area on the Continent. Snow falling at Berlin and a thunderstorm in progress at Vienna. Some showers later over the greater portion of the United Kingdom, and some more decided falls of rain in Italy and some other southern regions.

Temperature fallen in these Islands and Norway, risen in most French localities. Morning readings ranging from above 50° at Biarritz, in Portugal, and on the southern shores of the Mediterranean, to about 32° in some parts of this country, to below it over a wide area on the Continent, and to below 20° in the north-east of Europe, and also at Munich. Maxima during day rather higher than 60° in Algeria and at Brindisi, but below 50° generally, below 45° over all the more northern countries, and below 40° over a very large area. Frost at night over most of this country.

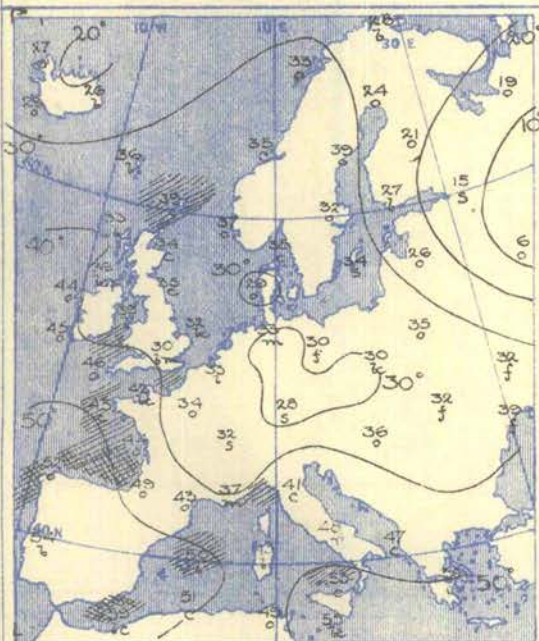
Wind in morning strong to a gale from the Northward in Iceland, moderate or light from West or North-West in the west of these Islands and Brittany; strong to high from the South-Westward in the Peninsula and most of France, and light or moderate from the Southward over central Europe and Scandinavia. Light anticyclonic breezes prevailing in Russia. North-Westerly to Westerly current extending further over these Islands and France during day, but no change of a general character occurring. Wind increasing from the Westward on some shores of the Mediterranean, and blowing a gale at Palma.

Barometer above 30.4 ins. in central Russia, and about 30.2 ins. in the south of Portugal; below 29.1 ins. in a depression over the east of Iceland and its vicinity, and relatively low in a "V-shaped" secondary extending thence to the south-west of France. No change in the general distribution of pressure later; low pressure system moving slowly in an easterly direction; barometer rising rather briskly in Iceland and slowly in these Islands.

Friday, 4th February, 1910.

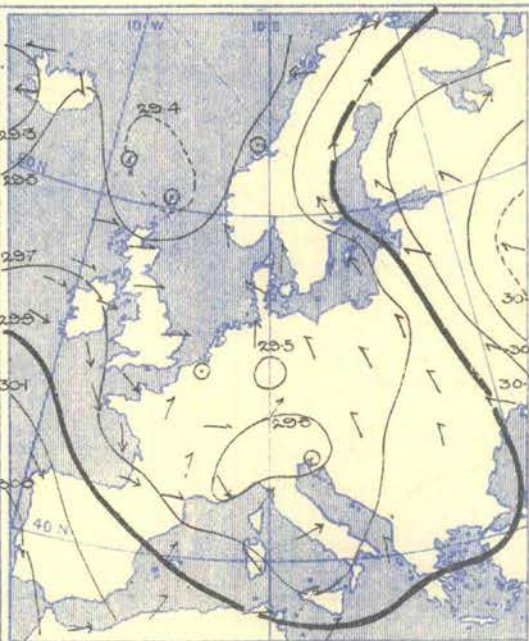
Temperature and Weather.

7 a.m.

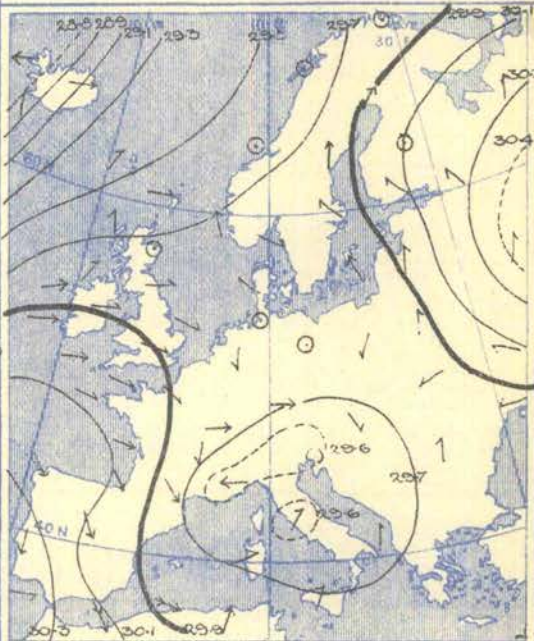


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright in most parts of Great Britain and France, and also over a considerable area over the Mediterranean; generally overcast elsewhere, with rain at Malin Head, and snow over the Baltic region, as well as at Munich and Belfast. A little rain later in various parts of these Islands and in places over a large area on the Continent. Rather heavy rain falling at Palermo and a thunderstorm occurring at Algiers.

Temperature changed little and irregularly. Morning readings 30° in London, below that value in some parts of Germany, and below 10° in central Russia. Above 50° on the Atlantic seaboard of the Peninsula and also on some shores of the Mediterranean. Maxima during day between 40° and 45° in almost all parts of this country; above 50° in the far south of our area, and above 60° in places; highest reading 66° at Nemours. Thermometer remaining below 40° over the major portion of central Europe, and below 32° in the far north and north-east. Slight frost at night in Great Britain.

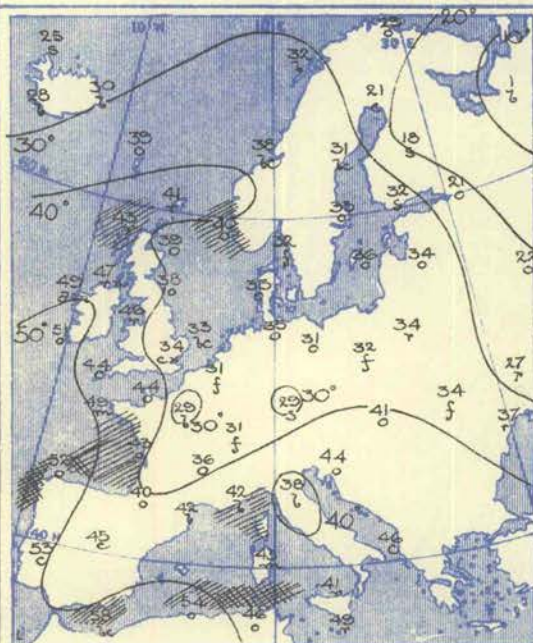
Wind in morning moderate to high from North-West over the Spanish Peninsula, and moderate to light from that quarter over the major portion of these Islands. Light to moderate and mainly from some Southerly point over the eastern half of our area. A moderate to strong breeze from the Westward prevailing over the Mediterranean. Increasing to a gale from between South and East by evening in Iceland, and becoming much stronger from the North-Westward on the coast of Africa. Blowing a gale at Algiers, and a strong gale at Oran. Backing towards South in the north-west of these Islands.

Barometer in morning above 30.4 ins. in central Russia, and above 30.3 ins. at Lisbon. Low in three separate minima within an area extending from northern Italy to the ocean between Norway and Iceland. Pressure giving way very briskly during day in Iceland, and a fresh depression of considerable intensity appearing in that region. Little modification occurring in the general distribution over the Continent.

Saturday, 5th February, 1910.

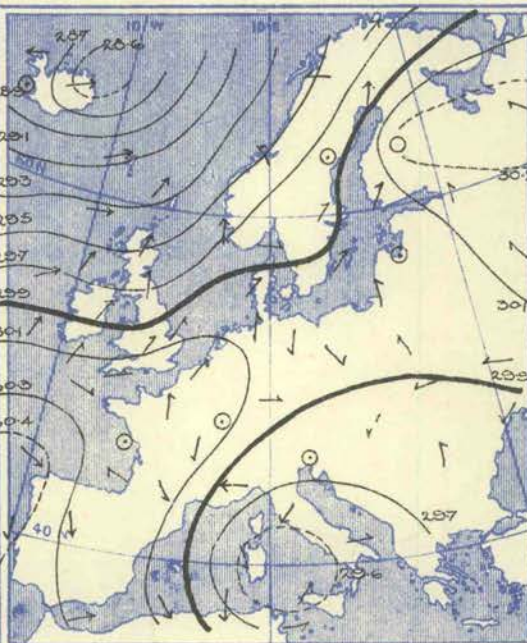
Temperature and Weather.

7 a.m.

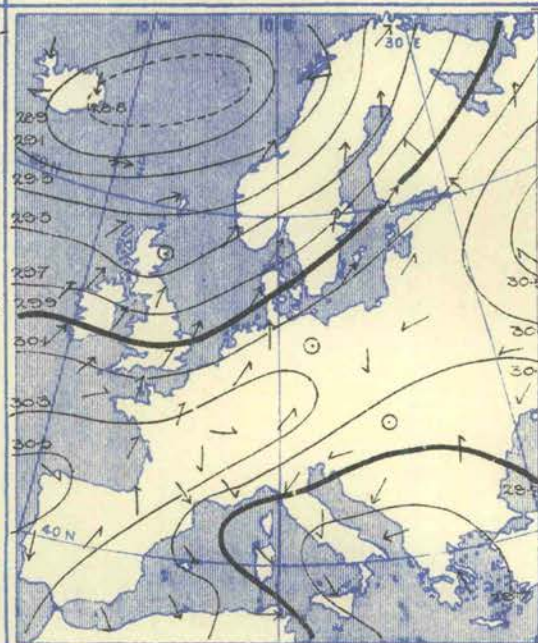


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning overcast in nearly all parts of this country, with rain over a large area; very cloudy or dull over the major portion of the Continent, with rain or snow in several localities. More or less precipitation later over most of our area, not in large quantities generally, but nearly an inch of rain measured at Brindisi and about 0.7 in. at Patras.

Temperature risen over the United Kingdom, quickly in the west and north. Morning readings ranging from 60° at Oran and above 50° on the coast of Portugal and at Valencia Island, to below 32° over a large part of the Continent, and to only 1° at Archangel. Rising subsequently to above 50° over a considerable part of these Islands and in the west and south of France, and to above 60° in the extreme south of our area. Maxima very little above 32° in Germany and Austria-Hungary, and below it in the far east and north-east of Europe.

Wind in morning South-Westerly to Southerly over these Islands and Scandinavia; fresh in places on our west coasts, and strong to a gale on the south-west coast of Norway. A complete cyclonic circulation prevailing over the Mediterranean, the Northerly current over Algeria being fresh to high in force. No change of a general character later in day; increasing to a gale from West at Thornshavn and from South East at Athens.

Barometer in morning above 30.5 ins. between Spain and the Azores; relatively high in a band extending thence towards the extreme north of Russia. Below 28.6 ins. in a large depression having its minimum near Seydisfjord, and below 29.6 ins. in a shallower system over the south of our area. Very little modification later in the general distribution of pressure; northern depression travelling slowly eastward and barometer rising rather briskly in Iceland. Pressure increasing to 30.5 ins. in central Russia.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						599 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Jan. 31st, 10.4 a.m. to 11.14 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	277.5° 80% 200°, 6		275° 95% 225°, 17	270° 100% 235°, 16				269° 100% 236°, 16	Cirrus. Wind strongest at 600 m.
2	Feb. 1st, 10.12 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	275.5° 90% 150°, 7	275.5° 90% 150°, 9	274.5° 100% 170°, 17	274° 95% 180°, 16				273.5° 95% 185°, 16	A few light clouds.
3	Feb. 4th, 2.35 p.m. to 3.52 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	277.5° 80% 290°, 5	276.5° 80% 290°, 8	274.5° 85% 300°, 9	271.5° 100% 310°, 10	270° 60% 315°, 11				Clear. Very steady wind.
4	Feb. 5th, 9.50 a.m. to 10.30 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	277.5° 100% 170°, 7	277.5° 100% 180°, 14	276.5° 100% 210°, 20	276° 100% 225°, 17				277.5° 100% 225°, 17	Scud at 250 m. Very gusty.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4
No. of Kites	1	1	2	1
Area of Surface (metres) ..	7	7	15	4
Length of Wire (metres) ..	2,100	1,500	2,000	1,350

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 49

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 6.

SIXTH WEEK, SUNDAY, FEBRUARY 6TH, TO SATURDAY, FEBRUARY 12TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—Over the greater part of the Kingdom precipitation was experienced almost every day, and the general character of the weather was very unsettled. Intervals of bright sunshine were, however, frequent in most parts of England and Ireland. Thunder occurred at Jersey on Thursday, and at Douglas on Friday, while lightning was observed some time during the period at a few other stations.

Temperature was above the average except in Scotland N., the greatest divergence from the normal being 3·3° in England E. The highest of the maxima were recorded at most stations on the 6th, and ranged from 58° in England N.W. and 57° in Ireland S. to 51° in Scotland N. and E. The lowest of the minima, which were registered in nearly all districts either on the 9th or 10th, ranged from 9° at Balmoral (on the 9th) and 20° in Scotland W. to 29° in Ireland S., and to 31° in the English Channel. The lowest grass readings reported were 5° at Balmoral, 10° at West Linton, 15° at Crathes and Cambridge, 18° at Kew, and 20° at Clacton-on-Sea and Southport.

Mean Temperature of the Sea.—As a general rule the water was colder than during the corresponding week of last year, the difference being at least 3° at Wick, Cromarty and Burnmouth. The means for the week ranged from 48° at Newquay, and 46° at Plymouth and Salcombe to 42° at Ballantrae, about 40° at several stations along the east and north-east coasts of Britain, and about 37½° at Cromarty and Burnmouth.

Rainfall was more than the average in England N.W., S.W. and N.E., as well as in Ireland N., but less elsewhere. Few individual falls as large as 0·5 inch were recorded, but at Stonyhurst on Sunday there was as much as 1·19 inch, and at Arlington on Monday 1·07 inch.

Bright Sunshine exceeded the normal except in Scotland N. and W. The percentage of the possible duration ranged from 36 in Ireland S., 35 in England E., and 34 in the English Channel to 19 in Scotland W., and to 10 in Scotland N.

Barometer and Wind.—The main cyclonic systems were situated a long way to the northward, and except some small secondaries, no disturbance passed directly over the United Kingdom. The winds were mainly from between W. and S.W., but on Tuesday and Wednesday they veered temporarily to the N.W. and blew with the force of a gale on some parts of our western coasts. In the latter half of the week no gales were reported, but a high wind occurred on the Welsh coast on Thursday, and by Saturday evening a strong breeze to high wind had set in on our extreme north-west coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 52.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth	...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall	...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine	...	Scanty	Moderate	Moderate	Abundant	Moderate	Abundant	Moderate	Abundant	Abundant	Moderate	Abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth. Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 10 weeks from Dec. 5th, 1909.	Warmth ...	1 * 5	2 * 4	2 * 4	2 * 2	2 * 2	2 * 4	2 * 4	3 * 3	2 * 4	2 * 5	2 * 5	2 * 4
		3 * 2	3 * 2	3 * 1	4 * 1	5 * 1	3 * 2	3 * 1	5 * 1	5 * 2	3 * 3	3 * 3	3 * 3
	Sunshine ...	7 * 2	4 * 0	3 * 2	6 * 2	6 * 2	7 * 2	3 * 1	6 * 0	4 * 1	3 * 4	3 * 0	2 * 3

PAST SEASONS.

WINTER, 1908-9. Nov. 29th-Mar. 6th. 14 weeks.	Warmth ...	3 * 2	3 * 2	2 * 7	4 * 6	2 * 6	4 * 6	3 * 2	4 * 6	4 * 6	6 * 1	4 * 2	5 * 5
		2 * 6	3 * 5	1 * 6	3 * 7	3 * 7	4 * 8	4 * 3	2 * 6	4 * 8	3 * 4	3 * 6	5 * 8
	Sunshine ...	6 * 2	5 * 3	3 * 3	4 * 6	4 * 6	5 * 4	4 * 2	8 * 1	6 * 2	4 * 5	2 * 4	6 * 3
SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
		3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

DISTRICTS. (See Frontispiece map.)		SIXTH WEEK—February 6th to February 12th, 1910.																	
		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
0. SCOTLAND, NORTH		51	22	42.4	30.9	36.7	- 0.5	Day-deg. 1	Day-deg. - 5	Day-deg. 39	Day-deg. - 3	6	+ 1	Inches. 1.02	Inches. - 0.22	6	- 5	% 10	% - 9
Eastern																			
1. SCOTLAND, EAST		51	9	43.2	31.3	37.3	+ 0.4	3	- 5	39	- 7	5	+ 1	0.43	- 0.12	17	+ 1	29	+ 1
2. ENGLAND, N.E.		55	27	46.0	35.2	40.6	+ 1.9	11	+ 1	27	- 7	5	+ 2	0.44	+ 0.06	18	+ 1	28	+ 1
3. ENGLAND, EAST		55	27	47.4	35.9	41.7	+ 3.3	15	+ 4	25	- 13	4	0	0.28	- 0.09	22	+ 5	35	+ 7
4. MIDLAND COUNTIES		55	25	47.0	35.1	41.1	+ 2.5	14	+ 2	28	- 9	4	0	0.28	- 0.19	16	+ 1	24	+ 1
5. ENGLAND, S.E.		54	27	47.1	36.8	42.0	+ 2.0	14	0	15	- 13	5	+ 2	0.38	- 0.14	21	+ 6	33	+ 9
Western																			
6. SCOTLAND, WEST		52	20	45.9	34.4	40.2	+ 1.6	11	+ 1	30	- 2	6	+ 1	0.97	- 0.01	12	- 2	19	- 3
7. ENGLAND, N.W.		58	22	46.8	37.1	42.0	+ 2.4	13	+ 2	14	- 14	6	+ 2	0.83	+ 0.21	17	+ 3	26	+ 4
8. ENGLAND, S.W.		53	27	47.5	39.5	43.5	+ 2.3	21	+ 5	7	- 16	5	+ 1	0.81	+ 0.05	20	+ 4	31	+ 6
9. IRELAND, NORTH		53	28	48.1	37.4	42.8	+ 2.4	25	+ 11	13	- 12	7	+ 2	0.38	+ 0.17	18	+ 3	29	+ 5
10. IRELAND, SOUTH		57	29	50.5	39.6	45.1	+ 3.0	32	+ 12	7	- 12	6	+ 1	0.65	- 0.15	23	+ 7	36	+ 11
11. ENGLISH CHANNEL		52	31	49.5	42.3	45.9	+ 1.9	27	+ 3	0	- 10	5	+ 1	0.63	- 0.01	23	+ 3	34	+ 4
THE SEASON (Winter).—Aggregates, &c., for the Period of 10 Weeks, December 5th, 1909 to February 12th, 1910.																			
0. SCOTLAND, NORTH		55	2	*	*	*	*	41	- 33	495	+ 157	57	+ 4	12.81	- 0.47	80	+ 22	17	+ 5
Eastern																			
1. SCOTLAND, EAST		57	- 10	*	*	*	*	52	- 23	507	+ 104	45	+ 4	6.18	+ 0.09	121	+ 26	24	+ 5
2. ENGLAND, N.E.		56	6	*	*	*	*	69	- 17	358	+ 34	45	+ 9	6.06	+ 1.68	124	+ 22	23	+ 4
3. ENGLAND, EAST		57	17	*	*	*	*	83	- 10	303	- 66	45	+ 6	5.22	+ 1.15	149	+ 31	27	+ 6
4. MIDLAND COUNTIES		57	8	*	*	*	*	81	- 25	348	- 22	45	+ 7	6.31	+ 1.26	127	+ 28	23	+ 5
5. ENGLAND, S.E.		57	13	*	*	*	*	109	- 29	256	- 15	46	+ 8	6.43	+ 1.03	150	+ 37	26	+ 6
Western																			
6. SCOTLAND, WEST		57	0	*	*	*	*	84	- 26	357	+ 95	46	- 1	11.44	+ 0.34	99	+ 15	19	+ 3
7. ENGLAND, N.W.		58	7	*	*	*	*	91	- 19	273	+ 12	52	+ 10	10.35	+ 3.29	119	+ 33	22	+ 6
8. ENGLAND, S.W.		55	8	*	*	*	*	134	- 46	202	+ 5	51	+ 7	10.71	+ 1.74	129	+ 14	23	+ 2
9. IRELAND, NORTH		57	7	*	*	*	*	133	- 3	267	+ 39	55	+ 6	8.08	+ 0.95	106	+ 8	20	+ 2
10. IRELAND, SOUTH		59	8	*	*	*	*	174	- 40	218	+ 47	55	+ 9	8.49	- 0.90	131	+ 14	23	+ 2
11. ENGLISH CHANNEL		56	28	*	*	*	*	238	- 40	66	- 2	55	+ 7	7.88	+ 0.32	135	- 11	23	- 2
THE YEAR.—Aggregates, &c., for the Period of 6 Weeks, January 2nd to February 12th, 1910.																			
0. SCOTLAND, NORTH		55	2	*	*	*	*	28	- 12	293	+ 77	35	+ 3	9.19	+ 0.21	55	+ 14	18	+ 5
Eastern																			
1. SCOTLAND, EAST		57	- 10	*	*	*	*	37	- 8	307	+ 60	29	+ 5	3.67	+ 0.22	79	+ 12	25	+ 4
2. ENGLAND, N.E.		56	6	*	*	*	*	40	- 11	230	+ 31	27	+ 5	3.01	+ 0.65	87	+ 19	26	+ 6
3. ENGLAND, EAST		57	17	*	*	*	*	52	- 2	191	- 35	26	+ 3	2.43	+ 0.10	102	+ 23	29	+ 7
4. MIDLAND COUNTIES		57	10	*	*	*	*	45	- 19	211	- 12	26	+ 3	3.04	+ 0.11	88	+ 21	25	+ 6
5. ENGLAND, S.E.		57	13	*	*	*	*	64	- 11	142	- 28	27	+ 5	3.36	+ 0.27	99	+ 26	28	+ 7
Western																			
6. SCOTLAND, WEST		57	0	*	*	*	*	53	- 9	221	+ 55	30	+ 2	6.30	+ 0.04	65	+ 7	20	+ 2
7. ENGLAND, N.W.		58	7	*	*	*	*	57	- 4	164	+ 2	32	+ 7	5.76	+ 1.71	80	+ 22	24	+ 6
8. ENGLAND, S.W.		54	8	*	*	*	*	83	- 17	112	- 15	31	+ 5	6.12	+ 1.22	83	+ 8	23	+ 2
9. IRELAND, NORTH		55	7	*	*	*	*	85	+ 4	163	+ 22	34	+ 5	5.20	+ 0.60	73	+ 9	22	+ 3
10. IRELAND, SOUTH		59	18	*	*	*	*	117	- 6	124	+ 19	35	+ 8	5.16	+ 0.11	88	+ 13	25	+ 4
11. ENGLISH CHANNEL		53	28	*	*	*	*	136	- 13	32	- 17	33	+ 5	5.21	+ 1.15	96	+ 1	26	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.				NAMES OF STATIONS.			
			Date.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.				
					Of Highest each day.	Of Lowest each day.	For whole of each day.											Above 42°.	Below 42°.	
0. SCOTLAND, N.	a, Islands.	p Balta Sound	48	12th	27	8th	40.0	31.8	35.9	-	0	43	7	0.65	7.3	15	-	Balta Sound.		
	a Sunburgh Head	47	12th	22	9th, 10th	40.3	26.0	33.2	-	0	62	7	1.00	+ 0.20	10.1	-	Deerness.			
	a Stornoway	50	12th	29	9th	43.0	32.6	37.8	-	1	34	6	1.22	+ 0.15	3.7	-	Stornoway.			
	a Castlebay, Barra Isd.	49	10th, 12th	34	9th, 12th	45.0	36.6	40.8	-	0	8	21	7	0.57	7.7	12	-	Castlebay.		
	a Wick	47	10th, 12th	27	9th	41.9	31.0	36.5	-	1	0	39	6	0.67	+ 0.11	*	-	Strathpeffer.		
	p Strathpeffer	50	10th	25	9th	44.2	30.8	37.5	+ 0.4	6	41	5	0.34	- 0.33	4.0	-	8.4	-	Strathpeffer.	
	p Glencarron	51	10th	22	9th	42.5	30.8	36.7	+ 0.2	1	40	6	1.12	- 0.78	*	-	7	-	Fort Augustus.	
	p Fort Augustus	47	10th	23	9th	42.4	32.0	37.2	- 0.5	1	35	6	0.82	- 0.26	4.6	-	3.9	-	Fort Augustus.	
	p Fort William	49	10th	24	9th	42.6	32.9	37.8	- 1.3	2	33	6	2.03	+ 0.13	*	-	*	-	Fort William.	
	1. SCOTLAND E.	a, Islands.	p Gordon Castle	51	10th	27	9th	44.5	31.6	38.1	- 0.1	7	39	5	0.19	- 0.31	15.4	-	24	-	Gordon Castle.
a Nairn	48	10th	26	9th	44.1	32.3	38.2	+ 0.8	6	35	5	0.10	- 0.35	14.6	-	24	-	Nairn.		
a Aberdeen	51	6th, 10th	26	9th	43.3	31.9	37.6	- 0.3	4	36	4	0.24	- 0.30	17.9	+ 1.9	30	+ 3	Aberdeen.		
a Balmoral	45	12th	9	9th	41.0	26.7	33.9	- 0.1	0	57	2	0.16	- 0.51	23.6	-	39	-	Crathes S.		
p Crieff	49	10th	24	9th	43.6	31.6	37.6	- 0.1	4	38	6	0.43	- 0.42	18.7	-	31	-	Balruidery		
a Leith	51	10th	29	9th	44.9	35.0	40.0	+ 0.9	8	27	6	0.77	+ 0.39	15.1	+ 3.3	25	+ 6	Edinburgh.		
a West Linton	48	10th	18	9th	41.4	29.4	35.4	- 1.0	0	46	7	0.90	-	15.4	-	24	-	West Linton.		
p Marchmont	50	6th	24	9th	42.9	31.7	37.3	+ 0.5	3	37	4	0.66	+ 0.13	14.2	- 0.3	23	- 1	Marchmont.		
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	50	6th	28	9th	44.7	34.4	39.6	+ 1.6	8	29	4	0.81	+ 0.33	20.1	-	32	-	Cockle Park.
	a Shields	51	6th	28	10th	45.4	33.3	39.4	+ 0.6	10	33	5	0.76	+ 0.42	12.2	+ 1.7	20	+ 3	Newcastle.	
	p Durham	50	6th, 7th	27	9th	45.0	33.5	39.3	+ 2.0	8	32	4	0.45	+ 0.12	17.3	+ 2.7	28	+ 4	Durham.	
	p Rounton	52	6th	27	9th	45.9	33.5	39.7	+ 2.6	11	32	6	0.56	+ 0.18	*	-	*	-	Scarborough.	
	p Scarborough	52	6th, 7th	32	9th	48.1	38.3	43.2	+ 4.5	24	10	7	0.62	+ 0.18	18.9	-	30	-	Scarborough.	
	p York	54	6th	30	9th	47.9	36.7	42.3	+ 4.0	24	15	3	0.21	- 0.18	13.6	+ 1.5	22	+ 2	York.	
	a Spurn Head	50	6th, 7th	34	9th, 10th	44.4	34.0	40.4	+ 1.5	7	22	3	0.17	- 0.12	*	-	32	-	Skegness.	
	a Lincoln	55	6th	30	9th, 12th	46.8	35.0	40.9	+ 3.0	13	28	5	0.26	- 0.10	20.4	-	24	-	Rauceby.	
	a Fulbeck	55	6th	28	9th	46.1	35.6	40.9	+ 2.7	11	26	4	0.13	- 0.25	15.1	-	24	-	Lowestoft.	
	3. ENGLAND, E.	a, North.	p Cromer	54	7th	31	10th	47.1	36.9	42.0	+ 5.0	14	14	5	0.22	-	24.8	-	39	-	Cromer.
p Hillington	54	7th	28	10th, 12th	47.4	35.8	41.4	+ 3.8	15	28	5	0.23	- 0.20	20.4	+ 5.3	32	+ 8	Hillington.		
a Yarmouth	54	6th, 7th	31	10th	46.9	35.7	41.3	+ 3.7	14	25	4	0.24	- 0.10	27.3	-	43	-	Yarmouth.		
a Norwich	54	7th	30	10th	46.6	35.9	41.3	+ 3.8	13	25	3	0.24	-	*	-	*	-	Geldeston.		
p Geldeston	55	6th, 7th	30	10th, 12th	49.3	36.5	42.9	+ 4.4	29	15	5	0.24	- 0.10	24.7	+ 8.4	39	+ 13	Cambridge.		
p Cambridge	54	6th, 7th	28	9th, 10th	48.3	35.7	42.0	+ 3.7	18	15	5	0.22	- 0.11	20.8	+ 4.8	33	+ 8	Felizstowe.		
a Felizstowe	53	7th	31	9th, 10th	46.0	35.4	40.7	+ 3.2	11	26	6	0.33	-	24.1	-	38	-	Clacton.		
a Clacton-on-Sea	52	6th, 7th	32	10th, 12th	46.7	35.3	41.0	+ 2.5	13	27	4	0.32	-	24.6	-	38	-	Rothamsted.		
a Rothamsted	52	6th, 7th	27	12th	46.7	33.7	40.2	+ 2.6	13	32	5	0.38	- 0.07	17.0	+ 2.2	26	+ 3	Southend.		
a Shoeburyness	52	6th, 7th	31	9th	46.7	34.7	40.7	+ 1.8	13	29	5	0.36	+ 0.08	23.9	-	37	-	Tottenham.		
p Tottenham	53	6th, 7th	31	9th, 12th	47.7	38.1	42.9	+ 3.9	23	11	4	0.43	-	17.6	-	27	-	Tottenham.		
4. MIDLAND COUNTIES.	a, East.	a Harrogate	50	6th	28	9th	45.3	34.9	40.1	+ 3.1	9	27	4	0.63	+ 0.11	18.6	-	30	-	Harrogate.
	a Bawtry	54	6th, 7th	29	9th	47.0	35.3	41.2	+ 3.0	14	27	2	0.09	- 0.29	15.0	+ 2.5	23	+ 4	Worksop.	
	p Buxton	50	6th	25	9th	45.3	34.9	39.6	+ 4.1	6	36	6	0.58	- 0.42	15.6	-	24	-	Buxton.	
	a Nottingham	55	6th	30	9th	47.3	35.9	41.6	+ 3.6	15	25	4	0.09	- 0.31	14.6	-	23	-	Nottingham.	
	p Birmingham Edgbu	54	6th	30	10th	46.6	36.0	41.3	+ 3.3	13	24	5	0.18	- 0.24	11.4	-	18	-	Birmingham.	
	a Raunds	54	6th, 7th	26	9th	48.1	34.0	41.1	+ 3.4	17	33	2	0.04	-	*	-	*	-	Oxford.	
	a Oxford	52	7th	29	9th	47.1	35.9	41.5	+ 2.5	14	25	5	0.21	- 0.19	16.2	+ 1.3	25	+ 2	Sheffield.	
	a Chislehurst	53	6th	28	12th	44.7	34.2	39.5	+ 2.4	8	30	5	0.17	- 0.34	16.6	-	26	-	Chislehurst.	
	p Shrewsbury	54	6th, 7th	28	6th	49.0	33.7	41.4	+ 2.3	20	34	5	0.19	-	*	-	*	-	Cirencester.	
	a Hereford	55	6th, 7th	30	12th	48.5	37.2	42.9	+ 4.0	26	13	6	0.40	- 0.10	*	-	*	-	Bath.	
a Cirencester	50	7th	25	12th	45.5	32.1	38.8	+ 1.1	10	37	5	0.45	- 0.05	15.6	+ 0.3	24	+ 1	Cirencester.		
a Bath	52	6th, 7th	28	10th	48.4	37.4	42.9	+ 2.9	26	13	5	0.67	+ 0.16	16.8	-	26	-	Bath.		
5. ENGLAND, S.E.	a, East.	p Kew	54	7th	30	9, 10, 12th	47.8	36.8	42.3	+ 3.0	24	15	4	0.38	+ 0.01	18.1	+ 5.6	28	+ 9	Ramsgate.
	a Marlborough	51	6th	28	12th	46.7	35.8	41.0	+ 3.1	13	27	4	0.51	- 0.04	14.0	+ 1.0	22	+ 2	Kew.	
	a Margate	53	6th, 7th	32	10th	47.3	37.4	42.4	+ 3.0	22	13	5	0.51	+ 0.15	23.2	+ 7.8	36	+ 12	Marlborough.	
	a Wisley, Surrey	53	6th, 7th	28	9th	47.4	36.4	41.9	+ 2.3	15	23	6	0.43	-	18.2	-	28	-	Margate.	
	a Swaraton	52	6th	27	10th	46.2	35.0	40.6	+ 2.4	12	27	4	0.37	- 0.18	25.6	-	39	-	Wisley.	
	a Tunbridge Wells	51	6th, 7th	29	9, 10, 12th	46.2	35.5	40.9	+ 2.7	12	26	6	0.45	- 0.09	22.4	+ 7.9	35	+ 12	Worthing.	
	a Dungeness	47	7, 8, 11th	32	10th, 12th	45.6	35.9	40.8	+ 1.3	10	24	6	0.28	- 0.10	25.2	-	39	-	Tunbridge Wells.	
	p Hastings	49	6, 7, 11th	32	9th	46.6	37.8	42.2	+ 2.4	19	12	6	0.30	- 0.20	24.4	+ 6.6	38	+ 10	Littlestone.	
	p Southampton	53	7th	31	9th, 10th	49.1	37.5	43.3	+ 2.6	28	13	4	0.24	- 0.29	20.0	+ 3.8	31	+ 6	Hastings.	
	a Ventnor	50	6, 7, 11th	33	9th	48.1	40.1	44.1	+ 2.5	23	5	5	0.30	- 0.22	23.2	+ 5.5	35	+ 8	Southampton.	
LONDON	a Westminster	54	7th	30	12th	48.1	36.1	42.1	+ 2.8	25	17	6	0.40	+ 0.02	15.6	+ 2.0	14	+ 3	Eastbourne.	
a Greenwich	54	7th	29	10th, 12th	47.7	36.3	42.0	+ 3.0	16	16	5	0.58	+ 0.02	15.6	+ 2.9	24	+ 5	Westminster.		
6. SCOTLAND, W.	a, Islands.	a Laudaie	48	10th	20	9th	43.3	32.4	37.9	- 0.8	4	35	6	0.76	- 0.17	*	-	*	-	Greenwich.
	a Poltalloch	49	10th	29	9th	44.1	35.3	39.7	+ 1.2	6	25	5	0.72	+ 0.04	5.2	- 3.8	9	- 6	Glasgow.	
	p Glasgow	51	10th	27	9th	45.3	35.7	40.5	+ 1.0	9	24	7	1.20	+ 0.29	*	-	*	-	Kilmarnock.	
	a Kilmarnock	50	6th, 9th	25	9th	46.4	32.1	39.3	+ 0.4	12	38	3	1.15	-	0.0	-	0	-	Dumfries.	
	a Colmonell	52	10th	24	9th	47.0	34.3	4												

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	35.4	—	Harrogate	3	23	38.1	38.8	6. Dumfries	2	23	37.1	38.1
1. Aberdeen	7	15	33.1	37.6	Huddersfield	3	24	35.9	39.0	Douglas	3	25	—	—
Crathes	6	5	—	—	Buxton	4	21	36.8	40.1	Aspatia	2	21	—	—
Balmoral	4	10	—	—	Sheffield	5	21	38.1	39.8	Newton Rigg	5	23	38.1	38.6
West Linton	7	—	34.0	—	Nottingham	4	24	37.6	37.7	Burnley	3	21	37.0	38.9
Marchmont	—	—	—	—	Birmingham	3	16	40.3	42.3	Southport	3	20	36.2	37.2
Cockle Park	3	24	37.0	37.9	Oxford	4	21	—	—	Manchester City	1	30	38.2	40.4
Durham	3	23	—	—	Hereford	4	23	—	—	Bettws-y-Coed	1	30	40.9	41.6
York	—	—	38.0	39.7	Gloucester	—	—	—	—	Llangamarch Wells	3	21	41.1	42.9
Hull	4	25	38.1	41.1	Bath	—	—	—	—	Cardiff	3	26	40.8	42.1
Lincoln	—	—	36.1	37.0	Margate	1	29	39.9	41.2	Clifton	3	28	—	—
Raunceby	4	23	39.1	41.0	Greenwich	3	21	—	—	Plymouth	0	32	42.6	—
Norwich	3	25	—	—	Westminster	4	22	—	—	9. Armagh	3	25	41.3	41.6
Yarmouth	—	—	39.4	40.7	Kew	3	18	39.2	42.1	Markree	3	23	42.1	42.9
Lowestoft	3	27	38.9	40.2	Canterbury	3	23	40.1	41.9	10. Dublin, Trin. Coll. ..	2	24	42.3	42.5
Cambridge	5	15	38.4	40.6	Tunbridge Wells	4	22	37.4	—	11. Guernsey, Brooklyn	1	25	43.7	44.6
Clacton-on-Sea	4	20	40.2	42.5	Wisley	3	21	39.6	41.4					
Southend	5	25	39.7	—	Worthing	4	22	39.4	42.1					
Tottenham	3	24	—	41.6	Portsmouth	3	21	40.8	43.2					
					6. Glasgow	3	21	—	—					
					Rothsay	—	—	—	39.5					
					Colmored	3	21	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	42	40	41.3	SCOTLAND, W.	Lamlash	44	42	42.8
	Kirkwall	40	38	39.4		Ballantrae	42	41	41.9
	Wick	42	42	42.0	ENGLAND, N.W.	Port Erin	45	44	44.1
SCOTLAND, E.	Cromarty	39	36	37.5		Newquay	48	47	47.7
	Pennan Bay	41	39	40.1	ENGLAND, S.W.	Plymouth	47	45	46.1
	Aberdeen, Cove Bay	40	39	39.9		Salcombe	47	44	46.1
ENGLAND, N.E.	Burnmouth, Berwick	38	36	37.4	IRELAND, N.W.	Sheephaven	45	43	43.8
	Scarborough	43	39	40.9		Teelin	47	40	44.2
ENGLAND, E.	Shipwash Lightship	40	39	39.8	IRELAND, S.W.	Cleggan	45	40	43.9
	Margate	42	39	40.6	IRELAND, E.	Seafield	48	45	46.4
ENGLAND, S.E.	Eastbourne	—	—	—					

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

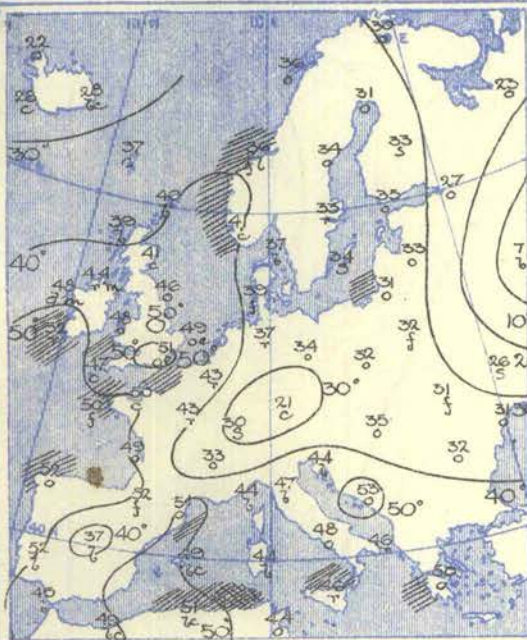
The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

February 3rd, 9.45 a.m. to 3.45 p.m. **Aldershot.** Kite kept steady at about 400-450 m. Temperature rose steadily from 274° to 277°. Humidity decreased from 100% to 60%. Ascents 1, 2, 3 received too late for insertion in last week's Report.

Sunday, 6th February, 1910.

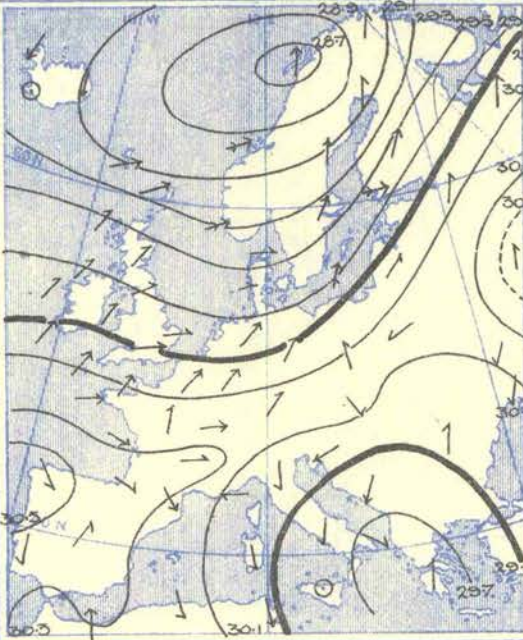
Temperature and Weather.

7 a.m.

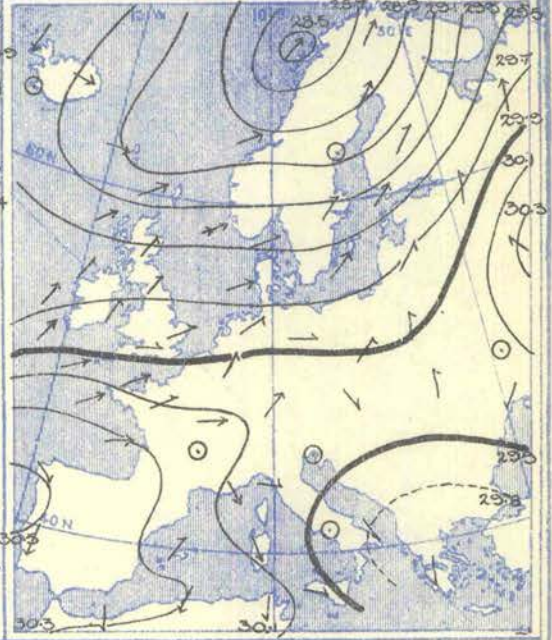


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast and generally unsettled except in the south-west and north-east of our area. Rain or passing showers falling in several places, and snow at Belfort and at some stations in the north and east. Some rain later throughout these Islands, and rain or snow in places over a large area on the Continent, but continuing dry in most southern regions. Rain considerable in the east of France, in Switzerland, and at Carlsruhe. A thunderstorm, with rain and hail, occurring at Cape de Garde.

Temperature risen quickly over England, the Netherlands, and France. Morning readings ranging from about 50° in the south of these Islands and at places in the south of our area to about 32° in large patches on the Continent, and to below 10° in central Russia. Maxima during day above 50° very generally in Ireland and England, and also over a large portion of southern Europe; above 60° at some Spanish and Algerian stations. Maxima below 40° in various parts of central Europe.

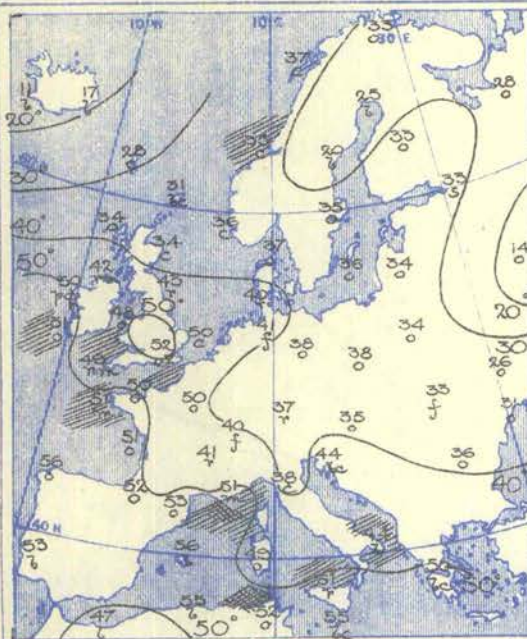
Wind in morning showing a very extensive cyclonic circulation over the northern half of our area, a partial cyclonic movement over the Mediterranean, and anticyclonic currents in the extreme south-west and also over Russia. Westerly breezes moderate to fresh over these Islands and their immediate neighbourhood, but a gale prevailing on the west coast of Norway, and also over the Baltic and the Gulf of Finland. No change of importance later in day.

Barometer in morning above 30.5 ins. in the north-west of Spain, and nearly as high in central Russia. Below 29.7 ins. in a depression between Greece and Italy, and below 28.7 ins. in a large and deep system having its minimum off the north-west of Norway. Little modification occurring later in the general distribution of pressure, but northern disturbance travelling slowly north-eastward, and a new fall of the mercury commencing on our north-west coasts.

Monday, 7th February, 1910.

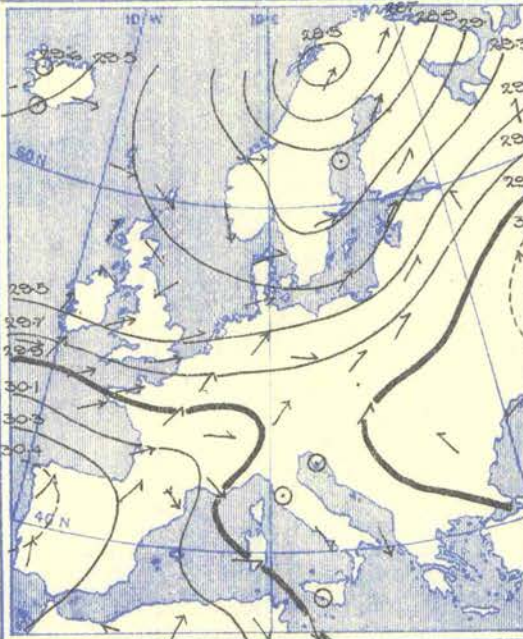
Temperature and Weather.

7 a.m.

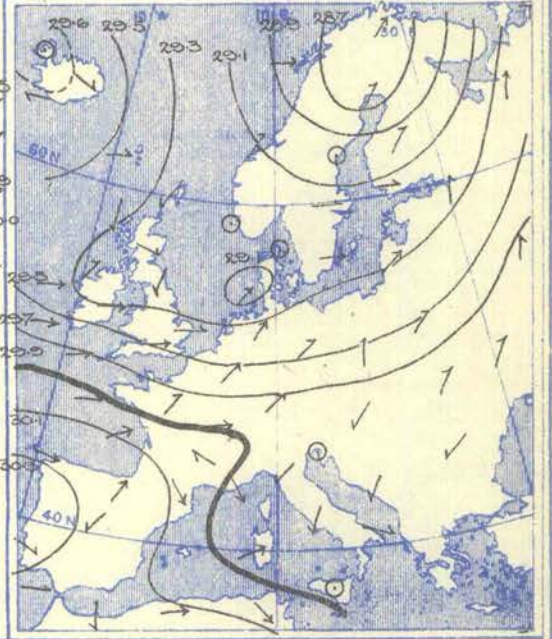


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or overcast over the greater part of our area, with rain or passing showers at many places in the United Kingdom and over the southern half of the Continent, and snow in several localities further north. Sky nearly clear at some stations on the shores of the Mediterranean. Rain experienced later at most places in these Islands, and rain or snow in the northern half of the Continent. Amounts not large generally, but 0.6 in. in the north-east of Great Britain.

Temperature changed rather irregularly; risen in France and Germany, fallen in Scotland. Morning readings above 50° at some places in the far south of our area, and about 50° over most of England and Ireland; above the freezing point over the major portion of the Continent, but as low as 20° at Hernösand and 14° at Moscow. Maxima during day below 40° in the north and north-east of Scotland, but above 50° at many stations in England and Ireland. Thermometer remaining below 40° at some places in central Europe, but touching or slightly exceeding 60° in the far south of our area.

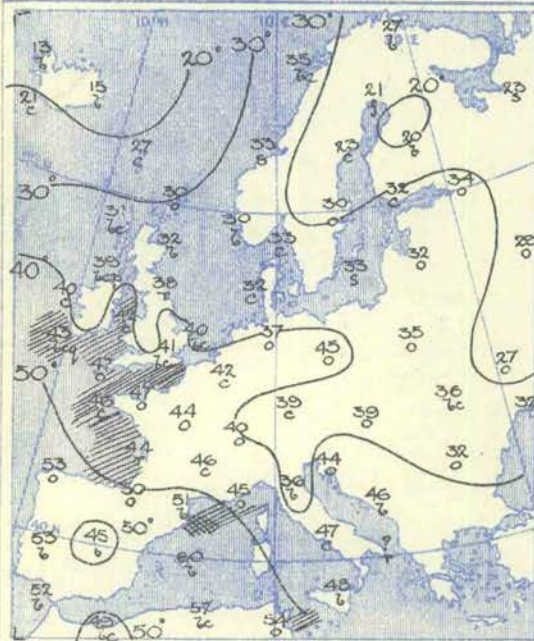
Wind in morning Westerly to South-Westerly over these Islands and the greater portion of the Continent; moderate as a whole, but fresh or strong in the west and south of the United Kingdom and over the Gulf of Bothnia region, and strong to a gale along the west coast of Norway. A current of wind, mainly between West and North-West, prevailing over the south of Europe and the Mediterranean, light or moderate generally, but blowing a gale at Perpignan. Veering to the Westward during day throughout England and Ireland, and blowing strongly in several localities. Gale subsiding on the west coast of Norway.

Barometer in morning ranging from above 30.4 ins. in the extreme south-west of our area, and above 30.1 ins. in Russia, to below 29.3 ins. in a depression centred over the north of Ireland and its vicinity, and to below 28.5 ins. in a very large and deep system having its minimum over Finmark. Irish disturbance travelling quickly eastward during day, and reaching Jutland by the evening. Pressure rising in Iceland, and subsequently rising decidedly over the west and north of these Islands. Northern depression remaining nearly stationary.

Tuesday, 8th February, 1910.

Temperature and Weather

7 a.m.

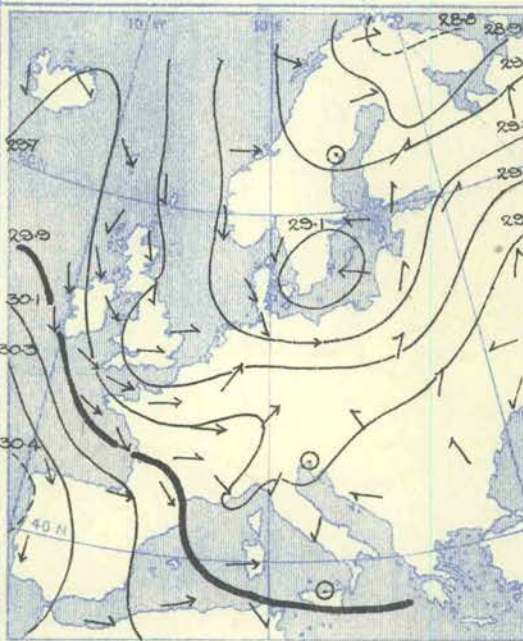


Weather in morning fair to fine and bright at most places in the south of our area, but variable from fair to rainy or showery elsewhere; snow falling over a considerable area in the north of the Continent. Rain experienced later at many stations over the southern countries of the Continent and in the United Kingdom, and snow in the north. Amounts not large as a rule, but as much as 0.8 in. at Cape de Garde, and 1.3 in. at Trieste.

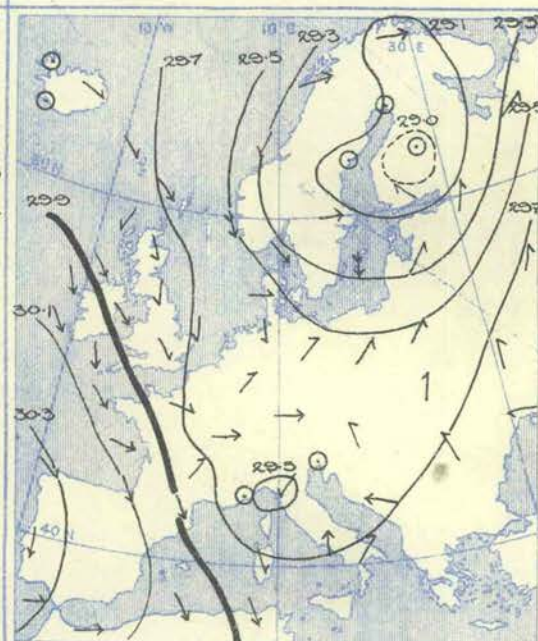
Temperature fallen generally, very decidedly in Ireland and England. Readings in morning ranging from about 50° on the coasts of the Spanish Peninsula and Sardinia to about 32° in the north of Scotland, and to 20° or below in Finland. Thermometer remaining below 40° over the greater part of Scotland, but rising to 45° in many English and Irish localities, to above 50° in the far south of our area, and to 60° or above in places. Frost continuing throughout the day in Sweden.

Barometer and Wind

7 a.m.



6 p.m.



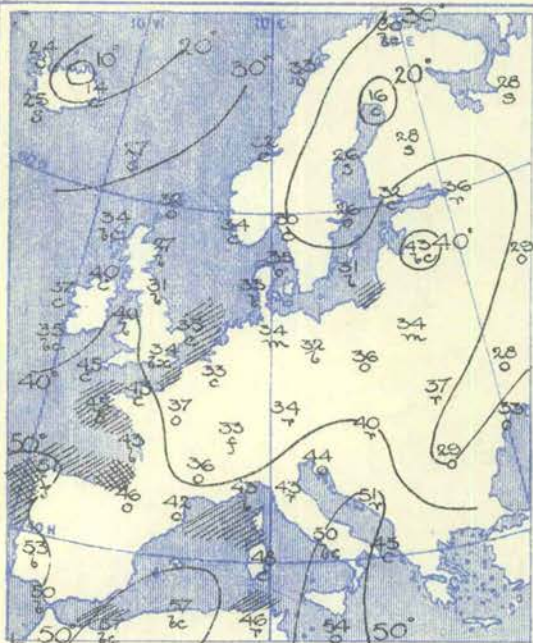
Wind in morning Northerly in Ireland and the west and north of Britain, and blowing a gale at Roche's Point and Holyhead; Westerly over the south-east of England and the north of France, and strong to a gale at Havre. A complete cyclonic circulation of light to fresh breezes prevailing over the Baltic region, and rather variable wind of little strength in the south of our area. Veering towards North during day in the south-east of England, and increasing somewhat in force. Gale subsiding on our western coasts, but increasing to a gale from the Northward on the south-west coast of Norway.

Barometer in morning above 30.4 ins. in Portugal; below 29.1 ins. in a depression over the south of Sweden, and less than 28.8 ins. in the extreme north of Scandinavia. Relatively low in a secondary over the east and south-east of England and also in northern Italy. Low pressure systems all travelling in an easterly direction later, and a new secondary appearing in the north-west of these islands. Recovery of pressure brisk over the United Kingdom and Brittany, but very moderate in Iceland.

Wednesday, 9th February, 1910.

Temperature and Weather

7 a.m.

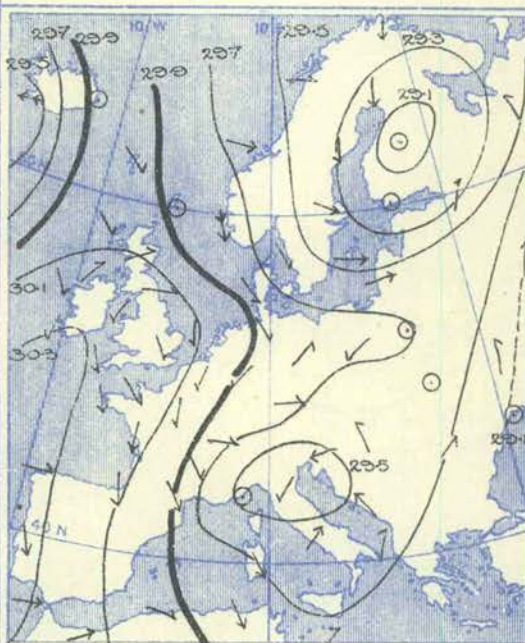


Weather in morning fair to very fine over nearly all parts of this country, the west of France, and the north-west of Africa; cloudy or overcast in most other regions, with rain at a few stations in central and southern Europe, and some snow in the north. A little rain later in the west and north of these islands and over a large area in southern and central Europe, and nearly an inch at Cape de Garde. A thunderstorm occurring at the latter station, and snow at Aumale.

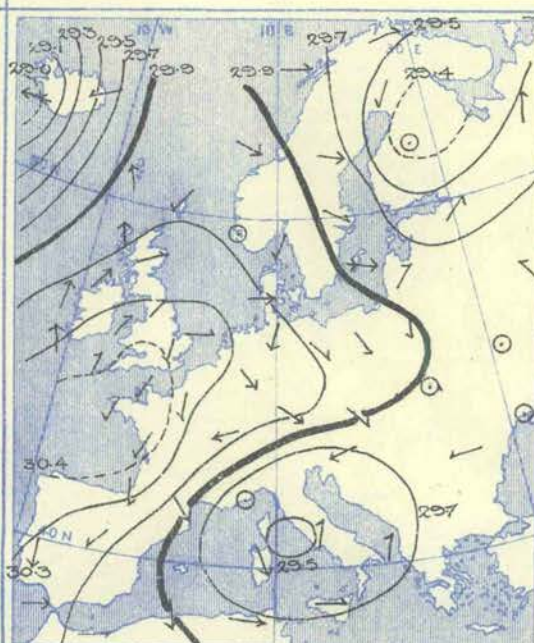
Temperature fallen in most regions. Readings in morning above 55° on the coast of Algeria, and as high as 54° at Malta. Below 32° at some of our own stations and in a large area in the east and north of the Continent. Maxima during day below 45° in nearly all parts of Great Britain and the central countries, as well as at many places in the east and south of France; above 50° in various localities in the extreme south, and about 60° in places. Frost at night over these islands.

Barometer and Wind

7 a.m.



6 p.m.



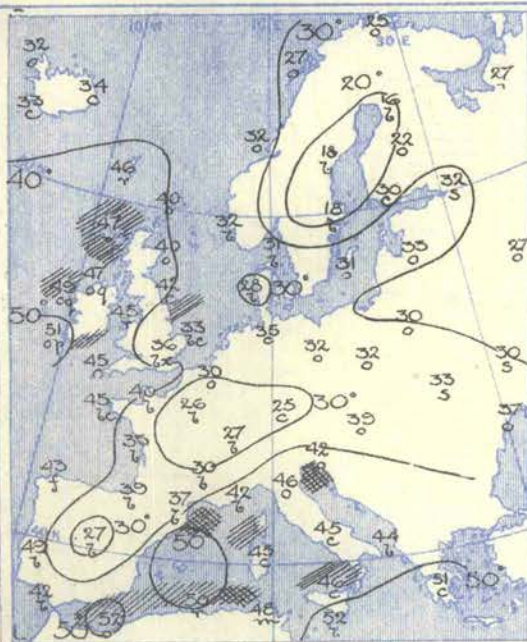
Wind in morning showing two complete cyclonic circulations, one in the south and the other in the north of our area. A strong breeze from the Westward prevailing over the Baltic, and a strong gale from the Northward at Skudesnaes. North-Westerly current strong in France and on the western part of the Mediterranean. A light Northerly breeze general in England, light Westerly airs in Scotland, and a strong gale from East in the south-west of Iceland. Backing very generally over these islands during day, and increasing in force in the far west. Gale subsiding at Skudesnaes, but becoming more general in Iceland.

Barometer in morning above 30.3 ins. in Portugal, and relatively high in a ridge extending thence across England. Below 29.1 ins. in a depression over Finland, and below 29.5 ins. in two other systems, one over Italy, and the other off the west of Iceland. Northern depression becoming less deep by evening, but that near Iceland extending quickly eastward. Pressure increasing briskly over the south of France, and gradient growing very steep over the north of Italy and the Riviera.

Thursday, 10th February, 1910.

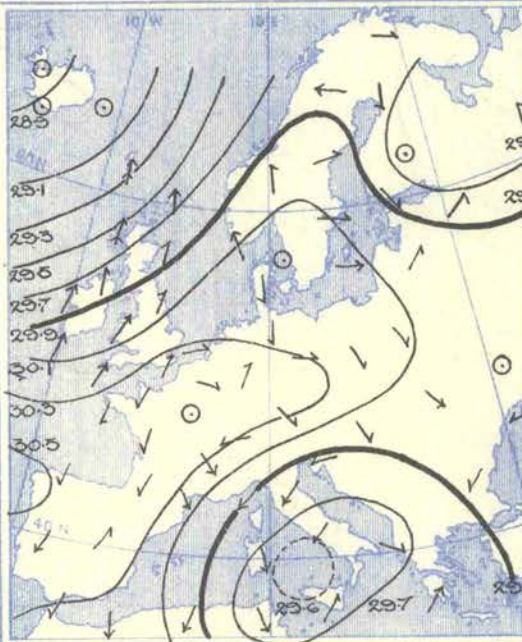
Temperature and Weather

7 a.m.

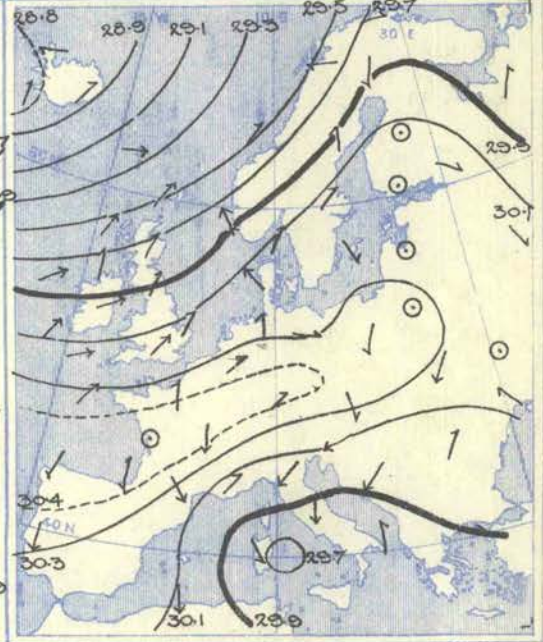


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast in most regions, with rain at some of our western stations and at Algiers, and snow in places in northern Europe. Fair to fine and bright over a large portion of France and in some localities elsewhere. More or less precipitation later over these islands and a large portion of the Continent, but measurements small generally; more than 0.5 in. at Lesina and Malta.

Temperature fallen over a large region on the Continent, risen very decidedly in most parts of these islands. Morning readings ranging from about 50° in the west of these islands and at some stations on the shores of the Mediterranean to about 35° in the south-east of England, and to below 32° over the major portion of the Continent. Rising later to about 50° in many parts of the United Kingdom and the west and south of France, as well as in northern Italy. Thermometer rising no higher than 36° at Aumale, and minimum of night as low as 27°.

Wind in morning Southerly to South-Westerly over the United Kingdom and its vicinity; strong on our western coasts, and a gale at Stornoway and Thorshavn. A very extensive cyclonic circulation prevailing over southern Europe and the Mediterranean, the Northerly current blowing very strongly in Italy, the south of France, and on the coast of Algeria, and with gale force at Barcelona. Not much change later in day; veering somewhat in Ireland. Increasing to a gale from the South-Eastward on the south-west coast of Norway.

Barometer in morning above 30.4 ins. in an area extending from the Bay of Biscay to Bavaria; below 29.7 ins. in a large depression in the far north of Russia and also in a large system in the south of our area, and below 29.0 ins. in a large depression with moderate gradients over the Icelandic region. Gradient very steep in the south-east of France and north of Italy. No change later in the general distribution, but barometer falling somewhat over Great Britain and the North Sea region. Pressure increasing over southern Europe and the Mediterranean, but gradient continuing steep in many localities.

Friday, 11th February, 1910.

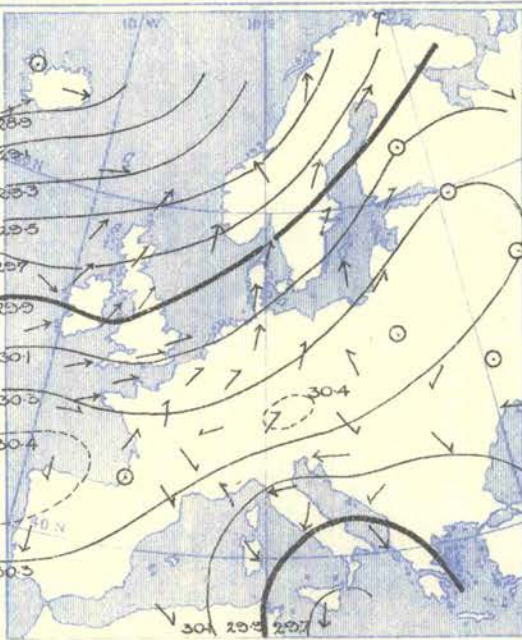
Temperature and Weather

7 a.m.

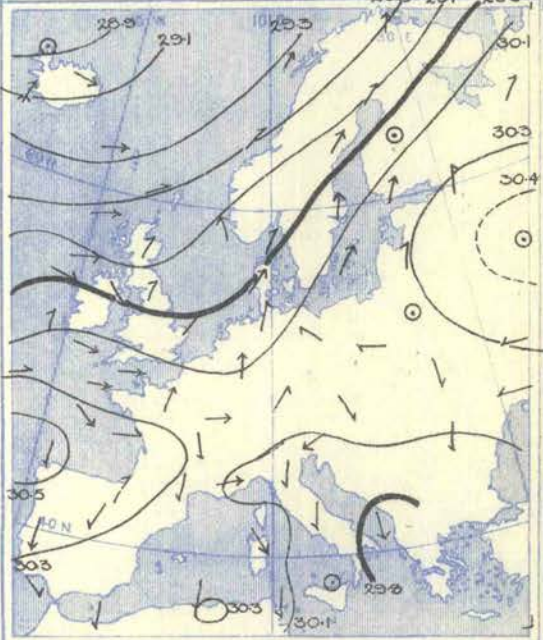


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine in most parts of these islands, but rainy or showery at some Irish stations. Rain falling at Malta, and rain or snow in places over a large area in the northern half of Europe. Fair to fine and bright in Italy and Portugal. Some rain subsequently at almost all stations in these islands and also over a large portion of the Continent. Measurements small generally, but as much as 0.7 in. at Palermo.

Temperature changed rather irregularly; fallen in the west and north of these islands, risen in France and Norway. Morning readings ranging from 51° at Lisbon and 50° at Algiers to below 40° over most parts of the United Kingdom, to below 32° over the major portion of the Continent, and to 18° at Munich and Uleaborg. Maxima during day below 50° in nearly all parts of the United Kingdom, much of France and northern Italy, and below 40° in the central countries; thermometer touching 66° at San Fernando, and 59° or 60° at some other stations in the far south. Frost at night at most places in England and Scotland.

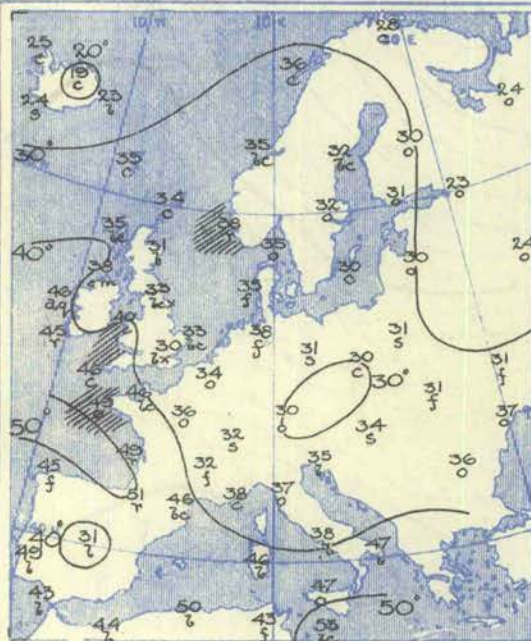
Wind in morning between West and South over the north-western and northern countries; moderate generally, but fresh or strong in several localities, and strong to a gale in Iceland. Moderate or light breezes from the Northward prevailing over the south of our area. Little change during day; veering somewhat in the west and north-west of these islands.

Barometer in morning above 30.4 ins. in the north-west of Spain, and relatively high in a band extending thence to central Russia. Below 29.7 ins. in a depression near Malta, and below 28.9 ins. in another system over Iceland. Pressure increasing during day in central Russia, but decreasing briskly over the central countries of the Continent and slowly over the North Sea and the east of England. Barometer rising in Iceland and the north-west of these islands, but falling again at Valencia towards evening.

Saturday, 12th February, 1910.

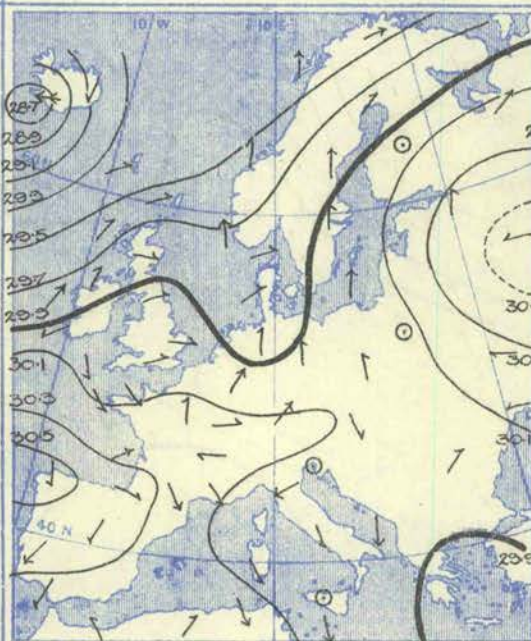
Temperature and Weather.

7 a.m.

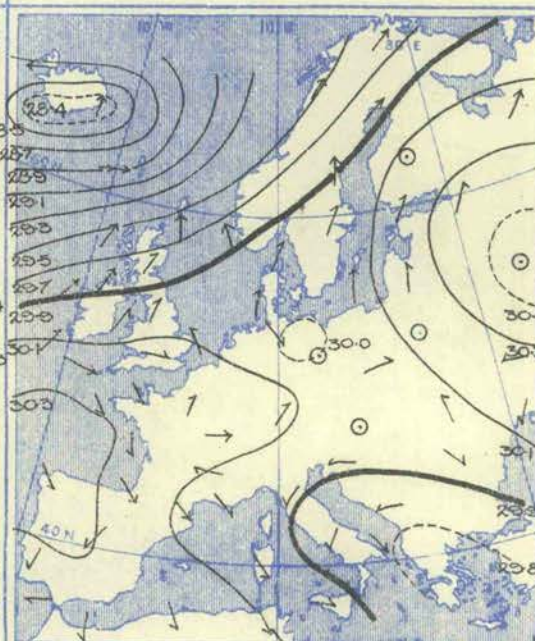


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in Ireland, fair to fine and bright in Britain: fair or fine at most places in the Mediterranean area and at some stations elsewhere, but generally very cloudy or overcast on the Continent, with snow or rain in several localities. A little rain later in many parts of these Islands and at a few scattered stations on the Continent, but more than an inch at Patras. Day very bright in the east and south of England.

Temperature fallen in these Islands and on the shores of the Mediterranean. Readings in morning ranging from 53° at Malta and 51° at Biarritz to a little below 32° at Aberdeen and over a vast area on the Continent, and to 24° at St. Petersburg. Maxima during day between 45° and 50° in this country and the greater part of France, but below 40° in the central countries; rather above 50° at most places in the Mediterranean region, above 55° at some stations, and as high as 63° at Algiers and 64° at San Fernando.

Wind in morning light from South-West and West in the United Kingdom and moderate from Southward over Germany, the Baltic, and Scandinavia. A strong Easterly gale prevailing in the south-west of Iceland. Light anticyclonic air general over Russia, and a moderate to strong Northerly to North-Westerly current over the Mediterranean. Increasing considerably in force by evening or at night on the west and north-west coasts of these Islands, but little other change.

Barometer in morning above 30.5 ins. in the north-west of Spain and very little lower in the central parts of Russia. Below 29.9 ins. in the extreme south-east of our area, below 29.8 ins. in a secondary disturbance over Denmark, and less than 28.7 ins. in a fresh depression having its minimum off the south-west of Iceland. Northern depression increasing still further in intensity during day, and barometer standing below 28.4 ins. at 6.0 p.m. Gradient growing steep between Scotland and Iceland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
	1910.										Metres.	
1	Jan. 29th, 10.50 a.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	275° 80% 290°, 5		270° 90% 315°, —	265° 100% 320°, —	265° 90% 335°, —		264° 340°, —	1,650	{ The kite and 2,230 m. of wire broke away at 12.16 p.m. The wire caught near Newhaven and the kite flew at about 1,400 m. height till 11.15 a.m. on January 30th, when it fell into the sea. The temperature remained almost constant for the 24 hours at about 265°. The humidity varied largely through the night. Owing to the immersion the wind is indistinct.
2	Feb. 5th, 10.30 a.m. to 12.20 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	276.5° 100% 230°, 6	275° 100% 230°, 12	274° 100% 240°, 12	273° 100% 240°, 12		274° 95% 250°, 12	1,200	{ Station in cloud. Cleared at 11.20 a.m. Clouds at 750 m.	
3	Feb. 6th, 12.20 p.m. to 12.55 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	279° 100% 265°, 7		281.5° 80% 295°, 14					500	{ Station in cloud. Wind rose from 3 m. per sec. at noon to 12 at 1.0 p.m.
4	Feb. 7th, 11.0 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	233° 100% 225°, 9	282.5° 100% 225°, 14	280.5° 100% 225°, 19			280.5° 100% 225°, 30	700	{ Clouds at 250 m. Raining.	
5	Feb. 8th, 10.27 a.m. to 11.20 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	277.5° 85% 280°, 7	277° 55% 290°, 14	275° 100% 315°, 17			274° 100% 325°, 18	700	{ Overcast. Squally. Wind 340° by mid day.	
6	Feb. 9th, 10.40 a.m. to 11.20 a.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	274° 95% 15°, 3		271° 90% 10°, 12			271° 90% 10, 12	600	{ Clear Sky.	
7	Feb. 10th, 10.18 a.m. to 11.25 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	278.5° 90% 200°, 6	277.5° 90% 210°, 9	276.5° 100% 225°, 17	2° 30% 250°, 16		275.7° 20.7% 240°, 15	1,400	{ Upper clouds almost stationary. The pens failed owing to the very low humidity. Rain in afternoon.	
8	Feb. 11th, 10.32 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	280° 85% 225°, 6	279.5° 90% 225°, 12	277.5° 100% 290°, 15	273.5° 100% 210°, 16	273° 60% 210°, 17		1,500	{ Clouds at 1,100 m. on ascent at 750 m. on descent. Steady wind. Overcast to clear.	

See note on p. 52.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8
No. of Kites ..	1	1	1	1	1	1	1	1
Area of Surface (metres) ..	7	7	7	4	4	7	7	7
Length of Wire (metres) ..	2,300	1,800	1,000	700	700	1,000	2,000	2,100

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 7. SEVENTH WEEK, SUNDAY, FEBRUARY 13TH, TO SATURDAY, FEBRUARY 19TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—The general character of the weather was very rough and stormy, and over the greater part of the Kingdom rain fell every day, some of the falls being heavy in the west and north. Thunder and lightning were experienced on one or more days over a wide area.

Temperature was above the average, the excess ranging from 1° in Ireland to about 5° in England E. and the Midland Counties. Over the Kingdom as a whole the highest of the maxima occurred on the 17th, but in Scotland the date was rather variable. The figures ranged from 56° in England E. and also at Westminster and Greenwich, to 52° in Scotland E. and W. The lowest of the minima were registered on the 16th at most places in Great Britain, but earlier in the week at some western and south-western stations and in Ireland. In Scotland E. (at Balmoral on the 15th) the thermometer fell to 18°, and in England E. to 22°, but in the other districts the values ranged from 26° in Scotland N. to 31° in England N. and N.W., and to 37° in the English Channel. The lowest grass readings reported were 14° at Balmoral, 18° at Cambridge, 20° at Crathes, 22° at Westminster and Llangammarch Wells, and 23° at Hereford.

Mean Temperature of the Sea.—On the south-east and south-west coasts of England the temperature of the water was higher than during the corresponding week of last year; elsewhere it was generally lower. The means for the week ranged from about 48° at Newquay and Plymouth to 40° at Kirkwall and Cromarty, and to 38° at Burnmouth.

Rainfall was considerably more than the average in all districts excepting England N.E. where the excess was slight.

Bright Sunshine was just equal to the normal in Ireland S. but exceeded it in all other parts of the Kingdom. The percentage of the possible duration ranged from 42 in Scotland E., 41 in England N.E., and 40 in the Midland Counties to 30 in England S.E., 28 in Scotland N., and 27 in Ireland S.

Barometer and Wind.—Cyclonic systems from the Atlantic were numerous and followed each other in quick succession. As a rule they moved in a north-easterly direction, and while they spread over these Islands and caused a very steep gradient, their centres remained off the western and northern coasts. The systems which arrived after Wednesday were unusually deep, the barometer falling below 29 inches over all our western and northern districts. The general direction of the wind was between S. and S.W. or W., and high winds and gales were experienced very frequently in the west and south-west, while in the latter half of the week severe gales were felt over the whole of England and Ireland. The most violent storm of the period occurred on Thursday, when the force was exceptionally strong in Ireland, the north of England, and the Irish Sea. Quite at the end of the week the wind, after subsiding somewhat, was rising quickly from the Southward in Ireland and England. In Scotland the force of the wind was generally moderate, but a gale was experienced in the north on Monday night.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 52.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate	Moderate	Unusual
	Rainfall ...	Heavy	Very heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Very heavy	Very heavy	Heavy
	Sunshine ...	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 11 weeks from Dec. 5th, 1909.	Warmth ...	1 * 5	2 * 4	3 * 4	3 * 2	3 * 2	3 * 4	2 * 4	4 * 3	3 * 4	2 * 5	2 * 5	3 * 4
	Rainfall ...	4 * 2	4 * 2	4 * 1	5 * 1	6 * 1	4 * 2	4 * 1	6 * 1	6 * 2	4 * 3	4 * 3	4 * 3
	Sunshine ...	8 * 2	5 * 0	4 * 2	6 * 2	7 * 2	7 * 2	4 * 1	7 * 0	4 * 1	3 * 4	3 * 0	2 * 3

PAST SEASONS.

WINTER, 1908-9. Nov. 29th-Mar. 6th. 14 weeks.	Warmth ...	3 * 2	3 * 2	2 * 7	4 * 6	2 * 6	4 * 6	3 * 2	4 * 6	4 * 6	6 * 1	4 * 2	5 * 5
	Rainfall ...	2 * 6	3 * 5	1 * 6	3 * 7	3 * 7	4 * 8	4 * 3	2 * 6	4 * 8	3 * 4	3 * 6	5 * 8
	Sunshine ...	6 * 2	5 * 3	3 * 3	4 * 6	4 * 6	5 * 4	4 * 2	8 * 1	6 * 2	4 * 5	2 * 4	6 * 3
SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
	Rainfall ...	3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

SEVENTH WEEK—February 13th to February 19th, 1910.

SEVENTH WEEK—February 13th to February 19th, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
		°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
0. SCOTLAND, NORTH		53	26	44.6	33.7	39.2	+ 1.8	Day-deg. 7	Day-deg. 0	Day-deg 31	Day-deg. - 10	7	+ 2	Inches. 1.90	Inches. +0.77	18	+ 4	% 28	% + 6
Eastern																			
1. SCOTLAND, EAST		52	18	45.5	33.2	39.3	+ 2.6	10	+ 2	33	- 13	6	+ 2	1.18	+0.65	27	+ 8	42	+13
2. ENGLAND, N.E.		55	31	48.3	36.6	42.5	+ 4.1	26	+ 16	15	- 20	6	+ 3	0.52	+0.17	27	+ 8	41	+12
3. ENGLAND, EAST		56	22	49.2	37.2	43.2	+ 5.0	29	+ 18	13	- 26	5	+ 2	0.64	+0.28	22	+ 2	33	+ 4
4. MIDLAND COUNTIES		55	39	49.4	36.9	43.2	+ 4.8	30	+ 17	14	- 25	7	+ 4	0.89	+0.46	27	+ 10	40	+15
5. ENGLAND, S.E.		55	30	48.8	38.2	43.5	+ 3.8	26	+ 12	11	- 19	6	+ 2	1.13	+0.66	29	+ 2	30	+ 3
Western																			
6. SCOTLAND, WEST		52	30	46.3	36.1	41.2	+ 2.4	12	+ 3	23	- 11	7	+ 3	2.39	+1.45	21	+ 6	31	+ 9
7. ENGLAND, N.W.		55	31	48.0	38.0	43.1	+ 3.5	25	+ 14	11	- 19	7	+ 3	1.14	+0.59	23	+ 6	35	+ 9
8. ENGLAND, S.W.		55	29	49.0	39.0	44.1	+ 3.1	27	+ 10	8	- 16	7	+ 4	1.56	+0.84	22	+ 3	32	+ 5
9. IRELAND, NORTH		53	27	47.3	35.5	41.4	+ 1.0	15	+ 0	26	0	7	+ 3	2.01	+1.36	20	+ 3	31	+ 5
10. IRELAND, SOUTH		55	29	48.9	36.8	42.9	+ 1.0	28	+ 7	15	- 6	7	+ 3	2.09	+1.31	18	0	27	0
11. ENGLISH CHANNEL		55	37	51.2	42.7	47.0	+ 3.1	35	+ 11	0	- 11	7	+ 2	1.12	+0.48	26	+ 4	38	+ 5

THE SEASON (Winter).—Aggregates, &c., for the Period of 11 Weeks, December 5th, 1909 to February 19th, 1910.

0. SCOTLAND, NORTH	55	2	*	*	*	*	48	- 33	526	+147	64	+ 6	14.71	+0.30	98	+ 26	18	+ 5
Eastern																		
1. SCOTLAND, EAST	57	-10	*	*	*	*	62	- 21	540	+ 91	51	+ 6	7.36	+0.74	148	+ 35	26	+ 6
2. ENGLAND, N.E.	56	6	*	*	*	*	95	- 1	373	+ 14	51	+12	6.58	+1.85	151	+ 31	25	+ 5
3. ENGLAND, EAST	57	17	*	*	*	*	112	+ 8	316	- 92	50	+ 8	5.86	+1.43	171	+ 34	27	+ 5
4. MIDLAND COUNTIES	57	8	*	*	*	*	111	- 8	362	- 47	52	+11	7.20	+1.72	154	+ 38	25	+ 6
5. ENGLAND, S.E.	57	18	*	*	*	*	135	- 17	267	- 34	52	+10	7.56	+1.69	170	+ 38	27	+ 6
Western																		
6. SCOTLAND, WEST	57	0	*	*	*	*	96	- 23	380	+ 84	53	+ 2	14.07	+2.03	120	+ 21	20	+ 3
7. ENGLAND, N.W.	58	7	*	*	*	*	116	- 5	284	- 7	59	+13	11.49	+3.88	142	+ 39	23	+ 6
8. ENGLAND, S.W.	56	8	*	*	*	*	161	- 36	210	- 11	58	+11	12.27	+2.58	151	+ 17	24	+ 3
9. IRELAND, NORTH	57	7	*	*	*	*	148	- 3	293	+ 39	62	+ 9	10.09	+1.41	126	+ 11	21	+ 2
10. IRELAND, SOUTH	59	8	*	*	*	*	202	- 33	233	+ 41	62	+12	10.58	+0.41	149	+ 13	24	+ 2
11. ENGLISH CHANNEL	56	28	*	*	*	*	273	- 29	66	- 13	62	+ 9	9.90	+0.80	161	- 7	25	- 1

THE YEAR.—Aggregates, &c., for the Period of 7 Weeks, January 2nd to February 19th, 1910.

0. SCOTLAND, NORTH	55	2	*	*	*	*	35	-12	324	+67	42	+ 5	10.09	+0.98	73	+18	20	+ 5
Eastern																		
1. SCOTLAND, EAST	57	-10	*	*	*	*	47	- 6	340	+47	35	+ 7	4.85	+0.87	106	+20	28	+ 5
2. ENGLAND, N.E.	56	6	*	*	*	*	66	+ 5	245	+11	33	+ 8	3.53	+0.82	114	+27	28	+ 7
3. ENGLAND, EAST	57	17	*	*	*	*	81	+16	204	-61	31	+ 5	3.07	+0.88	124	+26	30	+ 6
4. MIDLAND COUNTIES	57	10	*	*	*	*	75	- 8	225	-37	33	+ 7	3.93	+0.57	115	+31	28	+ 8
5. ENGLAND, S.E.	57	13	*	*	*	*	90	+ 1	153	-47	33	+ 7	4.49	+0.93	119	+28	28	+ 7
Western																		
6. SCOTLAND, WEST	57	0	*	*	*	*	65	- 6	244	+44	37	+ 5	8.93	+1.73	82	+13	22	+ 3
7. ENGLAND, N.W.	58	7	*	*	*	*	82	+10	175	-17	39	+10	6.90	+2.30	103	+28	25	+ 7
8. ENGLAND, S.W.	55	8	*	*	*	*	110	- 7	120	-31	38	+ 9	7.68	+2.06	105	+12	25	+ 3
9. IRELAND, NORTH	55	7	*	*	*	*	100	+ 4	189	+22	41	+ 8	7.21	+1.96	93	+12	23	+ 3
10. IRELAND, SOUTH	59	18	*	*	*	*	145	+ 1	133	+13	42	+11	7.25	+1.20	106	+13	26	+ 3
11. ENGLISH CHANNEL	55	28	*	*	*	*	171	- 2	32	-23	40	+ 7	6.33	+1.63	121	+ 4	28	+ 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 26 years only.
 ‡ The corresponding values for Reports Nos. 5 and 6 altered owing to the receipt of further information.
 § The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 ¶ The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 ¶ Information for Stations marked *gl* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *G* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					NAMES OF STATIONS.
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°	Below 42°	
0. SCOTLAND, N.	a, Islands.	p Balta Sound	58	13th	32	16th	43.8	36.3	40.1	—	5	22	6	1.23	—	1.6	—	—	Balta Sound.	
	b, Main-land.	a Sumburgh Head	53	17th	26	16th	44.4	31.6	38.0	0.0	7	38	7	0.84	+ 0.08	17.3	+ 3.9	28	+ 6	Deerness.
		a Stornoway	48	13th, 19th	31	15th	44.4	33.7	39.1	+ 0.2	7	31	7	2.20	+ 1.16	16.0	+ 1.3	25	+ 2	Stornoway.
		a Castlebay, Barra Isd.	49	16th	31	16th	45.9	36.9	41.4	0.0	11	21	7	1.85	—	9.7	—	15	—	Castlebay.
		a Wick	48	13th	30	13th, 16th	43.4	32.1	38.3	+ 0.8	4	32	5	0.60	— 0.05	—	—	—	—	Strathpeffer.
		p Strathpeffer	50	13th	30	16th	45.2	34.7	40.0	+ 2.8	9	28	7	0.85	+ 0.19	23.2	+ 8.2	36	+ 13	Strathpeffer.
		p Glencarron	51	19th	30	16th	44.5	33.5	39.0	+ 2.5	7	32	7	2.53	+ 0.74	—	—	—	—	Fort Augustus.
		p Fort Augustus	50	13th	30	15th	44.9	34.5	39.7	+ 1.7	8	28	7	2.51	+ 1.49	14.3	+ 4.2	22	+ 7	Fort Augustus.
p Fort William	50	19th	30	15th	45.3	34.8	40.1	+ 1.0	9	28	7	3.90	+ 2.10	—	—	—	—	Fort William.		
1. SCOTLAND E. . .		p Gordon Castle	51	13th	31	15th, 16th	47.7	34.3	41.0	+ 2.7	16	31	5	0.41	— 0.11	28.8	—	45	—	Gordon Castle.
		a Nairn	52	13th	30	16th	46.1	32.9	39.5	+ 2.1	11	35	5	0.58	+ 0.13	36.6	—	57	—	Nairn.
		a Aberdeen	49	13th, 17th	30	13th, 16th	46.1	34.3	40.2	+ 2.3	11	30	7	0.88	+ 0.35	23.8	+ 6.1	37	+ 10	Aberdeen.
		a Balmoral	45	15th, 17th	18	15th	42.3	29.3	35.8	+ 1.8	1	45	6	1.80	+ 1.14	24.9	—	39	—	Crathes S.
		p Crieff	52	19th	23	16th	45.6	33.1	39.4	+ 1.5	10	34	7	2.18	+ 1.35	26.1	—	41	—	Balruidery
		a Leith	52	19th	33	16th	47.7	36.0	41.9	+ 2.7	16	25	6	0.95	+ 0.58	28.0	+ 14.5	43	+ 22	Edinburgh.
		a West Linton	49	19th	29	16th	43.2	31.7	37.5	+ 1.0	3	37	7	1.78	—	12.1	—	19	—	West Linton.
		p Marchmont	48	19th	30	16th	45.1	33.6	39.4	+ 2.4	9	32	6	0.87	+ 0.35	21.4	+ 5.4	33	+ 8	Marchmont.
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	50	16th, 17th	33	13, 15, 16th	46.9	35.1	41.0	+ 2.9	14	28	5	0.92	+ 0.44	25.7	—	40	—	Cockle Park.
	b, South.	a Shields	52	13th, 17th	31	13th	48.4	35.1	41.8	+ 2.9	18	29	6	0.35	— 0.00	21.6	+ 9.8	33	+ 15	Newcastle.
		p Durham	50	13th, 17th	32	15th	46.6	36.4	41.5	+ 4.0	13	23	6	0.63	+ 0.29	29.9	+ 13.7	45	+ 21	Durham.
		p Rounton	55	17th	31	16th	47.6	35.5	41.6	+ 4.3	16	27	6	0.56	+ 0.18	—	—	—	—	Scarborough.
		p Scarborough	52	17th	33	16th	50.1	38.3	44.2	+ 5.0	31	10	5	0.36	— 0.08	29.7	—	45	—	York.
		p York	54	17th	35	16th	49.4	38.3	43.9	+ 5.4	29	10	5	0.36	— 0.03	23.4	+ 9.4	36	+ 14	Scarborough.
		a Spurn Head	53	17th	34	16th	46.9	38.0	42.5	+ 3.6	20	11	5	0.44	+ 0.14	—	—	40	—	Skegness.
		a Lincoln	54	17th	33	16th	50.0	36.6	43.3	+ 4.9	32	15	6	0.47	+ 0.11	26.9	—	40	—	Rauby.
a Fulbeck	53	17th	33	13th, 16th	48.8	36.5	42.7	+ 4.1	28	15	7	0.57	+ 0.20	25.2	—	38	—	Lowestoft.		
3. ENGLAND, E.	a, North.	p Cromer	55	17th	22	16th	49.5	34.6	42.1	+ 4.1	32	21	5	0.84	+ 0.42	16.6	— 0.8	25	— 1	Hillington.
	b, South.	p Hillington	55	17th	32	13th	47.7	36.1	41.9	+ 4.0	16	25	5	0.36	+ 0.02	22.7	—	34	—	Yarmouth.
		a Yarmouth	55	17th	32	16th	49.3	37.0	43.2	+ 5.2	29	14	7	0.48	—	—	—	—	—	Geldeston.
		a Norwich	56	17th	31	16th	49.4	36.7	43.1	+ 4.5	30	15	6	0.41	+ 0.06	18.1	— 0.1	27	0	Cambridge.
		p Geldeston	56	17th	30	16th	50.7	37.6	44.2	+ 5.5	34	12	5	0.54	+ 0.20	29.7	+ 11.4	44	+ 17	Felixstowe.
		p Cambridge	54	17th	33	16th	47.1	37.3	42.2	+ 3.5	21	15	5	0.37	—	20.5	—	31	—	Clacton.
		a Felixstowe	53	17th	32	13th	47.3	36.7	42.0	+ 3.3	15	15	4	0.29	—	17.5	—	26	—	Rothamsted.
		a Clacton-on-Sea	53	17th	33	16th	49.7	37.7	43.7	+ 6.7	30	12	7	1.35	+ 0.91	27.7	+ 10.9	41	+ 16	Southend.
a Rothamsted	55	17th	33	16th	48.1	37.0	42.6	+ 3.4	25	14	3	0.37	+ 0.09	22.6	—	33	—	Tottenham.		
a Shoeburyness	54	17th	32	16th	49.8	40.9	45.4	+ 6.0	28	8	4	0.81	—	20.5	—	30	—	Tottenham.		
4. MIDLAND COUNTIES.	a, East.	a Harrogate	51	17th	32	15th, 16th	46.4	35.9	41.2	+ 3.9	12	25	7	0.80	+ 0.27	24.3	—	37	—	Harrogate.
	b, West.	a Bawtry	55	17th	34	16th	50.1	38.1	44.1	+ 5.5	31	11	7	0.40	+ 0.03	24.3	+ 10.3	36	+ 15	Workshop.
		p Buxton	49	17th	32	16th	45.6	35.7	40.7	+ 4.9	10	25	7	1.25	+ 0.30	31.6	—	47	—	Buxton.
		a Nottingham	54	17th	32	13th	50.0	37.4	43.7	+ 5.2	31	13	7	0.38	+ 0.02	26.9	—	40	—	Nottingham.
		p Birmingham Edgbn	53	17th	32	16th	47.9	38.0	43.0	+ 4.7	24	11	7	0.93	+ 0.51	28.1	—	42	—	Birmingham.
		a Raunds	55	17th	32	16th	50.6	37.3	44.0	+ 5.6	34	13	5	0.69	—	—	—	41	—	Oxford.
		a Oxford	55	17th	33	13th, 16th	50.1	37.6	43.9	+ 4.5	32	12	7	0.93	+ 0.53	25.8	+ 9.4	38	+ 14	Cirencester.
		a Chislehurst	51	17th, 18th	30	16th	47.6	34.5	41.1	+ 3.7	16	31	6	0.97	+ 0.47	27.6	—	41	—	Sheffield.
p Shrewsbury	55	17th	30	14th	50.2	37.4	43.8	+ 4.3	32	13	7	1.55	+ 1.05	—	—	—	—	Cirencester.		
a Hereford	52	17th	33	16th	49.5	37.3	43.4	+ 4.2	30	13	7	1.45	+ 0.95	26.8	+ 9.3	39	+ 14	Bath.		
a Cirencester	53	19th	30	13th, 16th	48.9	35.2	42.1	+ 4.1	29	19	7	1.45	+ 0.95	26.8	+ 9.3	39	+ 14	Ramsgate.		
a Bath	55	17th	31	13th	52.3	37.4	44.9	+ 4.7	40	13	7	1.23	+ 0.72	29.4	—	43	—	Kew.		
5. ENGLAND, S.E. . .		p Kew	55	17th	34	16th	50.1	40.0	45.1	+ 5.6	30	6	6	0.92	+ 0.54	22.3	+ 8.6	33	+ 13	Marlborough.
		a Marlborough	53	17th	30	13th	47.4	33.9	40.7	+ 2.4	15	32	6	1.63	+ 1.07	20.0	+ 5.4	29	+ 8	Margate.
		a Margate	53	17th	32	16th	48.3	38.3	43.3	+ 3.6	25	10	4	0.61	+ 0.25	12.2	— 5.3	18	— 8	Wiseley.
		a Wisley, Surrey	54	17th	31	13th	50.0	38.4	44.2	+ 4.4	31	10	5	1.03	—	21.5	—	32	—	Worthing.
		a Swanton	53	17th	30	16th	48.8	36.7	42.8	+ 4.3	28	15	6	1.32	+ 0.97	21.4	—	32	—	Tunbridge Wells.
		p Tunbridge Wells	51	17th	30	16th	47.8	35.9	41.9	+ 3.3	16	26	6	1.50	+ 0.96	19.5	+ 3.1	29	+ 5	Littlestone.
		a Dungeness	50	15, 17, 19th	30	13th	48.1	38.1	43.1	+ 3.5	24	11	6	1.00	+ 0.62	13.5	—	20	—	Hastings.
		p Hastings	51	17th	32	16th	47.5	39.7	43.6	+ 3.7	21	6	6	0.57	+ 0.07	18.3	— 1.6	27	— 2	Southampton.
	p Southampton	54	17th	32	16th	50.5	40.5	45.5	+ 4.4	31	4	6	1.62	+ 1.10	24.7	+ 6.3	36	+ 9	Ventnor.	
	a Ventnor	52	17th	35	16th	49.5	40.5	45.0	+ 3.2	27	4	6	0.88	+ 0.37	20.1	+ 1.7	30	+ 3	Eastbourne.	
LONDON . . .	a Westminster	56	17th	30	13th	51.														

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound ..	—	—	37.4	—	Harrogate ..	2	30	38.4	39.2	6. Dumfries ..	3	28	38.6	39.1
1. Aberdeen ..	—	—	—	37.7	Huddersfield ..	0	31	37.5	39.2	Douglas ..	0	31	—	—
Crathes ..	3	20	34.3	35.8	Buxton ..	4	27	37.9	40.4	Aspatia ..	1	30	—	—
Balmoral ..	6	14	—	—	Sheffield ..	5	26	38.6	40.1	Newton Rigg ..	4	27	38.5	39.2
West Linton ..	4	24	—	—	Nottingham ..	3	28	39.3	38.5	Burnley ..	0	32	38.3	39.7
Marchmont ..	3	27	36.4	—	Birmingham ..	1	28	40.4	42.7	Southport ..	0	34	39.1	38.4
Cockle Park ..	3	28	37.3	38.3	Oxford ..	1	23	—	—	Manchester City ..	0	34	39.4	40.9
Durham ..	2	27	—	—	Hereford ..	4	23	—	—	Bettws-y-Coed ..	0	31	40.7	42.0
York ..	—	—	38.4	40.0	Gloucester ..	1	27	40.5	41.7	Llangammarch Wells ..	2	22	41.0	43.1
Hull ..	1	29	38.9	41.0	Bath ..	—	—	41.9	42.5	Cardiff ..	2	25	41.4	42.6
Lincoln ..	—	—	37.3	38.1	Margate ..	1	30	40.0	41.0	Clifton ..	1	30	—	—
Rauceby ..	2	27	40.1	41.3	Greenwich ..	3	28	—	—	Plymouth ..	1	30	44.3	—
Norwich ..	3	27	—	—	Westminster ..	3	22	—	—	8. Llangammarch Wells ..	2	22	41.0	43.1
Yarmouth ..	—	—	39.3	41.1	Kew ..	1	26	40.1	42.5	Cardiff ..	2	25	41.4	42.6
Lowestoft ..	3	27	39.1	40.5	Canterbury ..	3	25	40.2	42.4	Clifton ..	1	30	—	—
Cambridge ..	5	18	39.8	41.1	Tunbridge Wells ..	3	26	39.0	—	Plymouth ..	1	30	44.3	—
Clacton-on-Sea ..	3	26	40.5	42.8	Wisley ..	1	27	41.2	42.0	9. Armagh ..	3	29	39.6	42.0
Southend ..	2	25	40.9	—	Worthing ..	1	27	41.7	42.5	Markree ..	2	27	41.0	43.5
Tottenham ..	1	28	—	42.0	Portsmouth ..	1	30	42.9	43.7	10. Dublin, Trin. Coll. ..	3	27	41.4	43.1
					6. Glasgow ..	2	25	—	—	Guernsey, Brooklyn ..	0	32	44.5	44.9
					Rothsay ..	—	—	—	—					
					Colmonell ..	0	32	—	40.3					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick ..	42	41	41.7	SCOTLAND, W.	Lamlash ..	44	43	43.4
	Kirkwall ..	40	39	39.7		Ballastra ..	44	42	42.7
	Wick ..	42	41	42.0	ENGLAND, N.W.	Port Erin ..	45	44	44.3
SCOTLAND, E.	Cromarty ..	41	39	39.8		Newquay ..	48	48	48.0
	Pennan Bay ..	42	39	40.6	ENGLAND, S.W.	Plymouth ..	48	47	47.6
	Aberdeen ..	41	40	40.7		Salcombe ..	47	46	47.0
ENGLAND, N.E.	Burnmouth, Berwick ..	39	37	37.9		Sheephaven ..	45	43	43.9
	Scarborough ..	42	39	40.8	IRELAND, N.W.	Teelin ..	44	41	43.0
ENGLAND, E.	Shipwash Lightship ..	43	40	41.0		Cleggan ..	40	40	42.5
	Marazion ..	43	40	41.6	IRELAND, S.W.	Seahfield ..	47	44	45.5
ENGLAND, S.E.	Eastbourne ..	43	41	41.9	IRELAND, E.				

† Only one observation each day.

CORRECTIONS AND ADDITIONS FOR JANUARY, 1910.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0.5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.			
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.	Difference of Daily Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees).	Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
		Of Highest each day.	Of Lowest each day.	For whole of each day.	For whole of each day.	For whole of each day.	For whole of each day.	Above 42°	Below 42°	Inches.	Inches.	Hrs.	Hrs.	%.	%.
District Values.—								Day-deg.	Day-deg.	Inches.	Inches.	Hrs.	Hrs.	%.	%.
No. 1, p. 10 ..	6. Scotland, W.	—	—	—	—	—	—	—	—	0.82	—0.27	—	—	—	—
No. 1, p. 10 ..	10. Ireland, S.	—	—	—	—	—	—	—	—	0.33	—0.72	—	—	—	—
No. 4, p. 34 ..	1. Scotland, E.	—	—	—10	—	—	—	—	—	—	—	—	—	—	—
Station Values.—															
Additions.															
No. 1, p. 11 ..	Laudale ..	53	2.8	39	3.8	51.5	42.0	46.9	+6.4	34	0	7	3.54	+1.49	—
No. 1, p. 11 ..	Kilmarnock ..	52	2nd	36	4th	47.7	39.9	44.0	+4.0	23	6	3	0.22	—	0
No. 1, p. 11 ..	Killarney ..	55	2nd	38	5.6	42.0	44.1	48.2	+5.4	43	0	2	0.75	—0.75	—
No. 2, p. 19 ..	Cheadle ..	51	9th	26	12th	45.9	31.4	38.9	+2.2	11	42	5	0.68	+0.11	—
No. 3, p. 27 ..	York ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.—															
Corrections.															
No. 1, p. 11 ..	Strathpeffer ..	—	—	—	—	50.0	37.2	43.9	+6.8	33	13	—	—	—	—
No. 1, p. 11 ..	Rounton ..	54	—	—	—	47.3	—	43.4	+5.9	22	8	—	—	—	—
No. 1, p. 11 ..	York ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 1, p. 11 ..	Shrewsbury ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 1, p. 11 ..	Rhyl ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 2, p. 19 ..	York ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 2, p. 19 ..	Lincoln ..	—	—	—	—	46.8	—	40.9	+3.8	13	32	—	—	—	—
No. 2, p. 19 ..	Tunbridge Wells ..	—	—	—	—	37.0	42.1	—	+4.4	22	14	—	—	—	—
No. 2, p. 19 ..	Glasgow ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 2, p. 19 ..	Manchester, Prestwich ..	—	—	—	—	46.8	—	41.8	+3.5	13	25	—	—	—	—
No. 3, p. 27 ..	Strathpeffer ..	—	24	21st	—	29.4	34.4	—	—2.4	0	53	—	—	—	—
No. 3, p. 27 ..	Cahir ..	—	31	21st	—	36.6	40.4	—	—0.9	—	21	—	—	—	—
No. 4, p. 35 ..	Castlebay ..	—	23	27th	—	31.3	35.2	—	—5.9	—	48	—	—	—	—
No. 4, p. 35 ..	Strathpeffer ..	—	—	—	—	31.3	15.4	23.7	—13.3	—	123	—	—	—	—
No. 4, p. 35 ..	Balmoral ..	—	—	—	—	—	7.7	23.5	—16.5	—	130	—	—	—	—
No. 4, p. 35 ..	Hillington ..	—	—	—	—	27.6	32.0	—	—5.1	—	70	—	—	—	—
No. 4, p. 35 ..	Shrewsbury ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 4, p. 35 ..	Tunbridge Wells ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 4, p. 35 ..	Scarborough ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 5, p. 43 ..	Eastbourne ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.—															
Additions.															
No. 4, p. 36 ..	Balmoral ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 4, p. 36 ..	Bath ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 4, p. 40 ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Observations in the Upper Air, No. 1, Pyrtan Hill, Wind, at Greatest Height, 335, 22.

GALE OF FEBRUARY 20th, 21st, 1910.

The following Wind Observations have been reported for the gale of February 20th, 21st, 1910:—

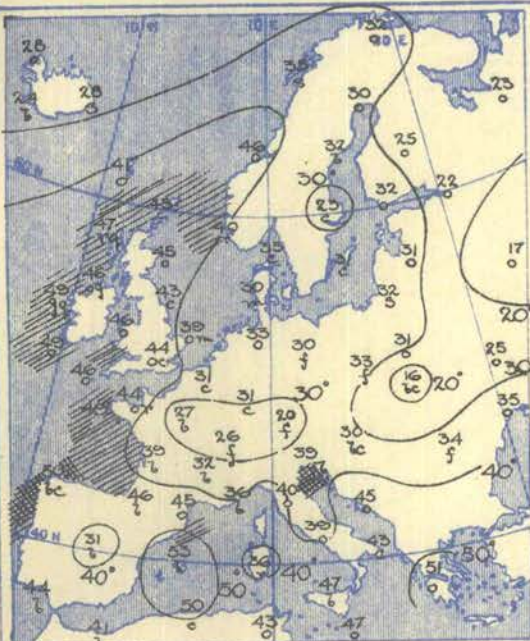
(1) Telegraphic Reporting Stations. Greatest wind force on the Beaufort Scale (0-12).

Stornoway ..	NW 6	Liverpool ..	SW 7	Dover ..	S 9	Yarmouth ..	S 7
Malin Head ..	SSE 6	Holyhead ..	SE 9	London ..	SW 10	Clacton-on-Sea ..	SSE 8
Blackpool Point ..	NW 7	Pembroke ..	SSW 8	Wick ..	S 9	Nottingham ..	SW 7
Valencia ..	SSW 9	Seilly ..	S 10	Aberdeen ..	SSE 7	Bath ..	SW 9
Roshe's Point ..	WSW 9	Jersey ..	SSE 10	Leith ..	SSE 7	Oxford ..	SSW 8
Birr Castle ..	S 7	Portland Bill ..	SW 11	Shields ..	SSE 7		
Donaghadee ..	SE 9	Dungeness ..	S 9	Spurn Head ..	SW 10		

Sunday, 13th February, 1910.

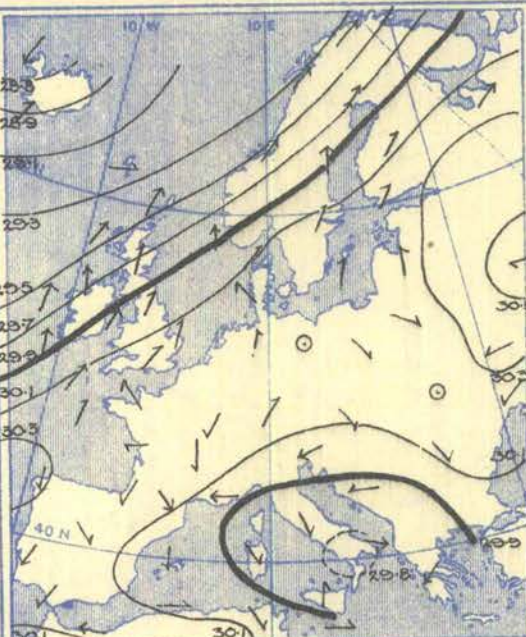
Temperature and Weather.

7 a.m.

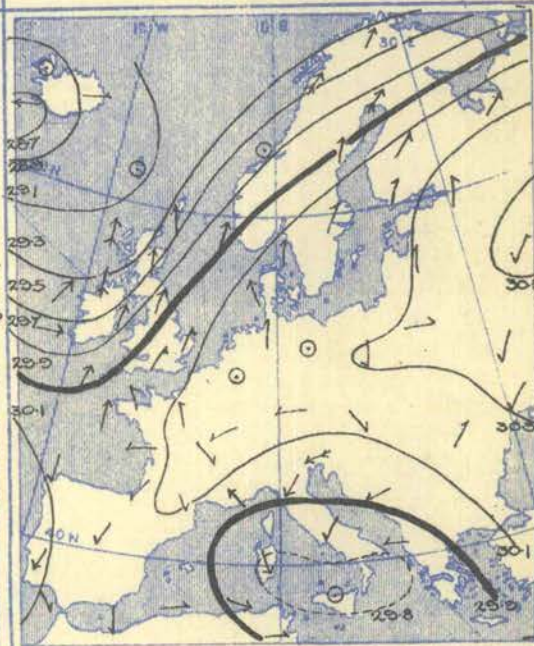


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright in many parts of France, the Spanish Peninsula, and Algeria, but overcast generally, with rain in some parts of these Islands and at Cagliari, and snow at Memel and Bodö. Some rain later in most parts of the United Kingdom, the west and north of France, and also at some stations on the shores of the Mediterranean. Amounts not large generally, but more than an inch at Cape de Garde.

Temperature risen in these Islands and Norway; morning readings ranging from 53° at Palma, 50° at Algiers, and 49° on the west coast of Ireland to below 30° in various parts of the mainland of Europe, and to 17° at Moscow. Rising later to about 50° over much of the United Kingdom and France, and to above 60° at a few stations on the shores of the Mediterranean. Maxima below 40° in the central countries and also in the east of France, and below 32° in some parts of Russia and Bavaria.

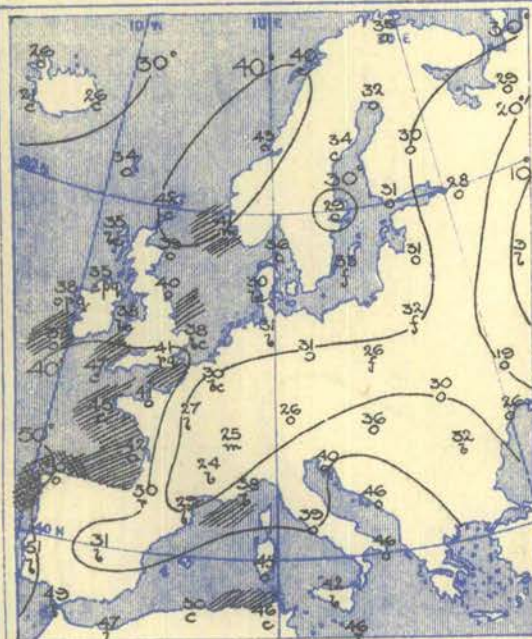
Wind in morning South-Westerly over all the north-western and northern regions; fresh to high on our north-west and west coasts, and a gale on the south-west coast of Norway, as well as in the north of Sweden. A complete cyclonic circulation prevailing over the Mediterranean and Adriatic, the East North-East wind being high at Trieste. Increasing to a gale from the Southward later on our own western coasts, and also in the north-west of Norway, and from the North-Eastward at Trieste.

Barometer in morning above 30.5 ins. in an anticyclonic system over Russia, and relatively high, in a col extending thence to the Bay of Biscay and beyond. Below 29.8 ins. in a depression centred over the south of Italy, and below 28.9 ins. in another system over Iceland. Pressure giving way over these Islands during day, very briskly in the north and west, and gradient growing steep. Icelandic depression apparently moving southwards, and a secondary disturbance travelling over our western districts from the Atlantic.

Monday, 14th February, 1910.

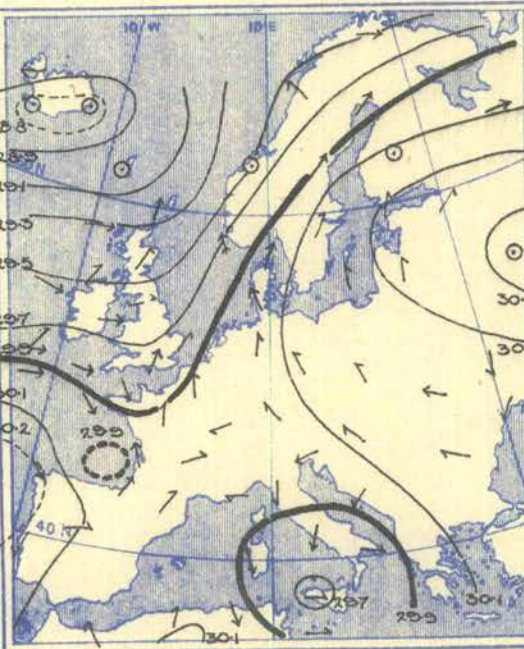
Temperature and Weather.

7 a.m.

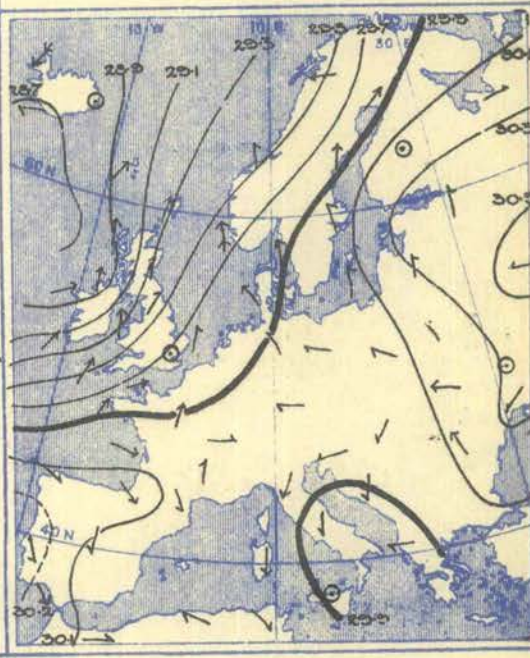


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning varying a good deal; mostly fair to fine, but rainy in several parts of the United Kingdom, as well as at Malta and in the south-west of France. Rain experienced later throughout these Islands, amounts rather heavy in places; a considerable fall in most parts of France, and slight quantities in some other Continental regions.

Temperature fallen over these Islands. Morning readings ranging from 51° at Lisbon and 50° at a few other southern places to below 40° at most of our own stations, to below 32° over a large area on the Continent, and to less than 10° in central Russia. Maxima during day below 45° at several of our own stations, below 40° over a large portion of central Europe and at Florence, and no higher than 50° at Naples and Nice. Thermometer touching 60° at some places in the far south and reaching 66° at Nemours.

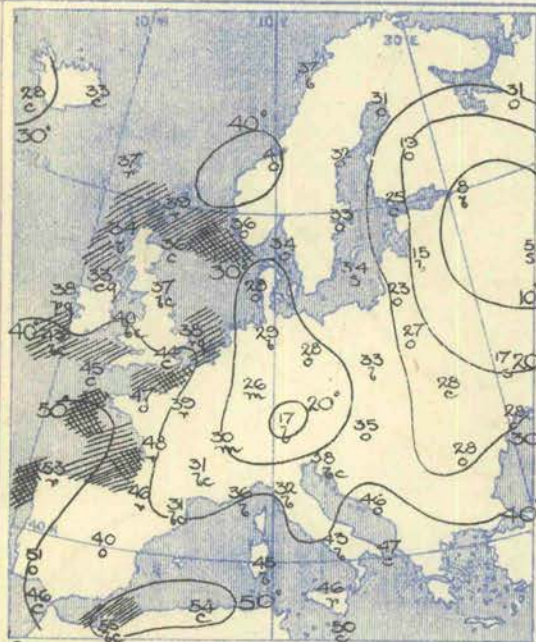
Wind in morning showing a vast anticyclonic circulation over Russia and its neighbourhood, and cyclonic movements in the south and also in the north-west of our area. Westerly to Southerly current fresh or strong on some of our own coasts, and also over the Bay of Biscay; a fresh to strong breeze prevailing in most parts of Scandinavia, and a gale at Skudesnaes. Increasing in force from the Southward later over the United Kingdom and its neighbourhood, and blowing a fresh to whole gale over a wide area.

Barometer in morning above 30.5 ins. in central Russia and above 30.2 ins. in Portugal; below 29.7 ins. in a depression over Sicily, and below 28.8 ins. in a large depression over Iceland. A rapid fall of the barometer taking place during the latter portion of the day and night over these Islands as a secondary system advanced from the Atlantic; gradient for Southerly wind becoming very steep. Very little modification occurring within the region of highest pressure. Italian depression becoming less deep.

Tuesday, 15th February, 1910.

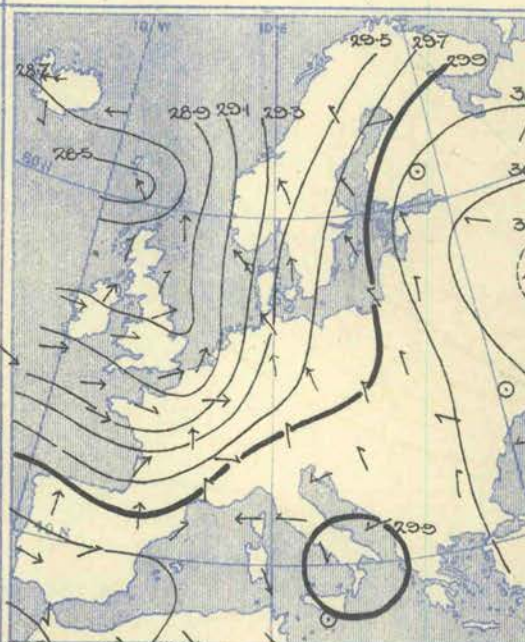
Temperature and Weather.

7 a.m.

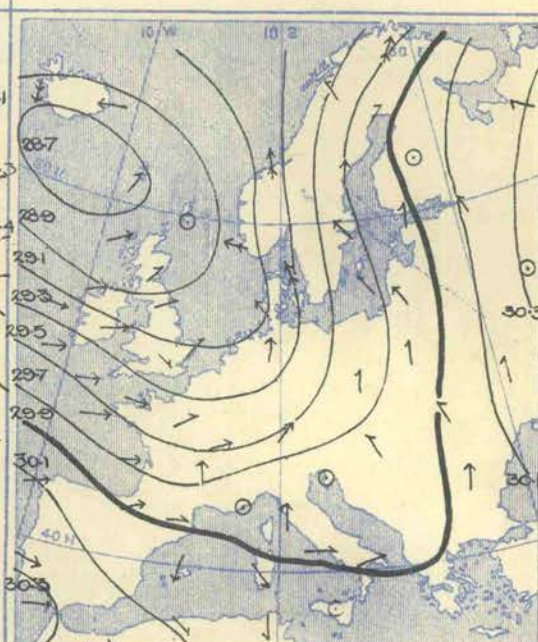


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning varying a good deal; rainy in most of France and on our south-east coasts, and showery in Ireland; fair to fine in most other regions, but very cloudy in places, with rain at a few southern stations, and snow at Brussels and at some places in the east and north of Europe. A little rain later in several parts of this country, with thunder at Oxford, and thunder and lightning at Castlehay. Considerable or heavy rain in many parts of France, Italy, and the Netherlands, and a thunderstorm at Lyons.

Temperature changed rather irregularly; fallen in Russia and Germany. Morning readings ranging from above 50° in Portugal and at some Algerian stations to 33° at Nairn, and to below 32° over large districts on the Continent; readings below 10° at St. Petersburg and Moscow. Maxima during day slightly above 60° in Algeria, and above 50° in the Spanish Peninsula, the south of Italy, and the west of France. Below 50° at nearly all our own stations, below 40° in the central countries, and below 32° in Russia.

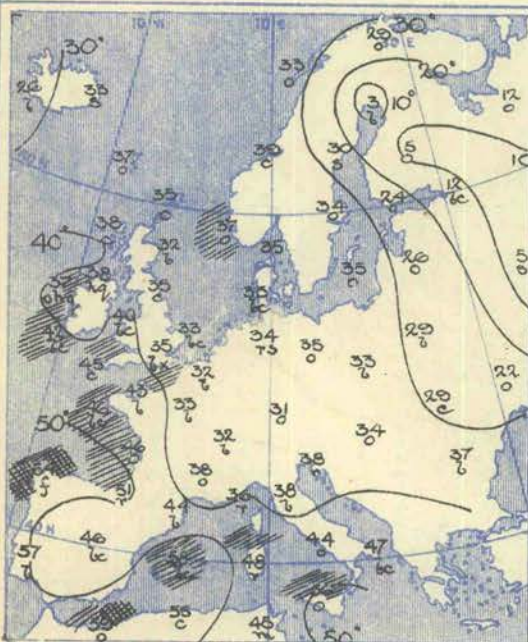
Wind in morning moderate or fresh from the Westward over these Islands generally, but strong from the Southward on the south-east coast and also over the North Sea region; blowing a gale from South-East on the south coast of Norway, and a strong to high wind from East in Iceland. A feeble cyclonic circulation prevailing over Italy and the Adriatic, and light anticyclonic airs in Russia and the extreme south-west of Europe. Veering somewhat later in this country and increasing in force in the west; a strong gale from between East and North setting in in Iceland. Wind falling light and veering towards West on our south-east coast.

Barometer in morning above 30.2 ins. in the south-west of Spain, and as high as 30.5 ins. at Moscow. Relatively low in a shallow depression over Italy, and as low as 28.5 ins. in a large system having its minimum near Thorshavn. A "V-shaped" secondary shown over the United Kingdom. Latter travelling eastward during day, and barometer rising rather decidedly over our Islands in its rear. Main depression in the north apparently becoming less deep, and that over Italy disappearing.

Wednesday, 16th February, 1910.

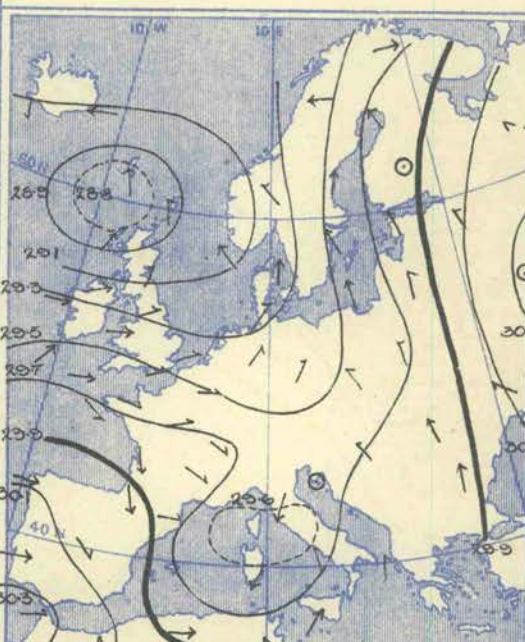
Temperature and Weather.

7 a.m.

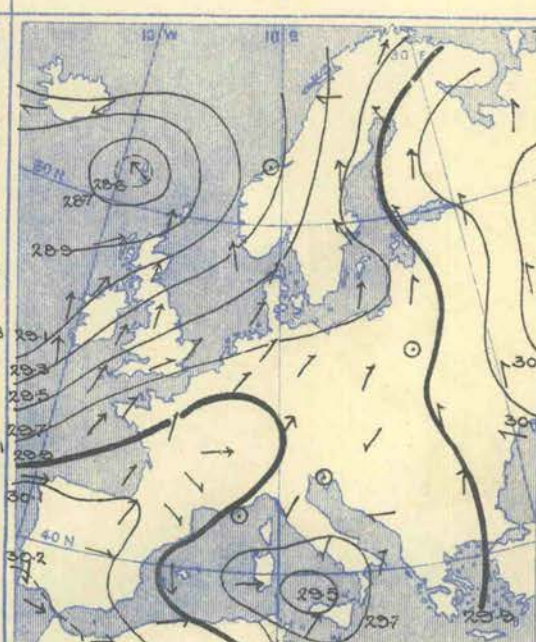


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy at several stations in the south of Europe, and snow falling in various localities in Scandinavia and the Baltic region, as well as in central Russia. Fair to fine and bright in most parts of these Islands and the nearer portion of the Continent, but hail showers prevailing on our most north-western coasts, and snow falling at Leith. A certain amount of rain later throughout this country and on many shores of the Mediterranean; 0.6 in. at Rome, and 1.2 in. at Sangulnare.

Temperature fallen over the United Kingdom and northern France, and also in the north of the Continent. Morning readings ranging from nearly 60° at a few places in the far south and south-west to less than 40° over our area as a whole, and to less than 32° over large districts in the east and north; lowest value, 5° at Moscow and Kuopio. Rising subsequently to about 50° over these Islands and the major portion of France, and to 60° or slightly higher in the Spanish Peninsula and Algeria. Maxima below 40° at several stations in the central countries.

Wind in morning light to fresh from the Westward over the greater part of the United Kingdom from the South and South-East in Scandinavia, and blowing a strong gale from East in the north of Iceland. A complete cyclonic circulation prevailing over the Mediterranean, the North-Western current blowing a gale at Palma. Backing to the Southward or South-Westward during day, and increasing to a gale during night over a considerable portion of this country. Increasing in force from various quarters over the Mediterranean, and blowing a gale from North-West at Cape de Garde.

Barometer in morning above 30.3 ins. both in the extreme east and south-west of our area. Below 29.6 ins. in a depression over Italy and Corsica, and below 28.8 ins. in a disturbance of decreasing intensity off the north of Scotland. Pressure beginning to decrease rapidly in Ireland during day, and change extending quickly to the whole Kingdom and its vicinity. Gradient growing very steep during night over a large area. Italian depression moving southward and growing deeper, and the surrounding gradient becoming steep in places.

Thursday, 17th February, 1910.

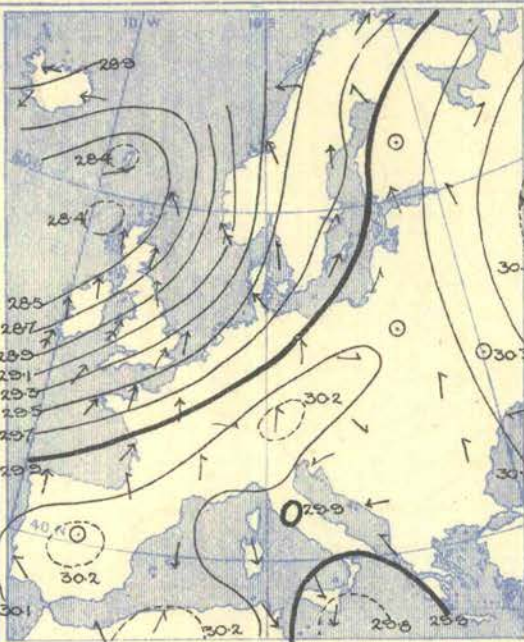
Temperature and Weather

7 a.m.

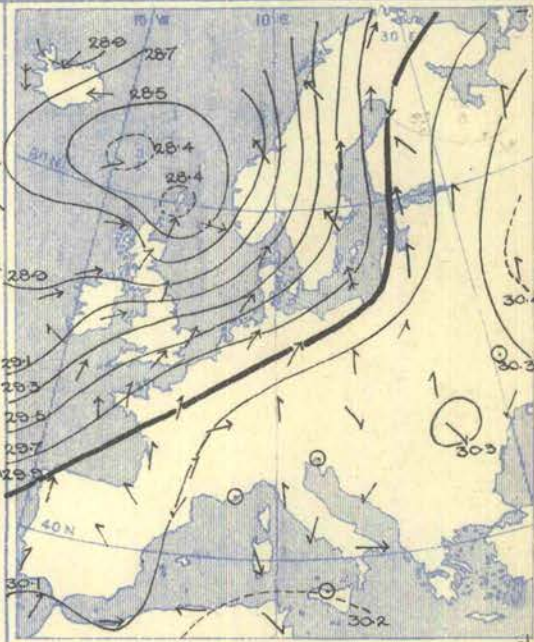


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rough and unsettled throughout the north-western countries, with rain at times in several localities; fair to fine at most stations in the south of our area, and quiet and overcast in most parts of Russia. Rain experienced later throughout these Islands, and rain or snow over a considerable area on the Continent.

Temperature risen quickly in these Islands and their immediate vicinity, fallen in Germany and the south and east of France. Morning readings 50° or above in most parts of England, over the Bay of Biscay region, Portugal, and a large area in the south; below 40° over the greater portion of the Continent, below 30° in Bavaria, and below 20° in the far north and north-east. Maxima during day above 50° in nearly all parts of this country, and 55° or rather higher in some places. Thermometer rising to 66° in some parts of Spain, to 70° at Oran, and to 72° at Biskra.

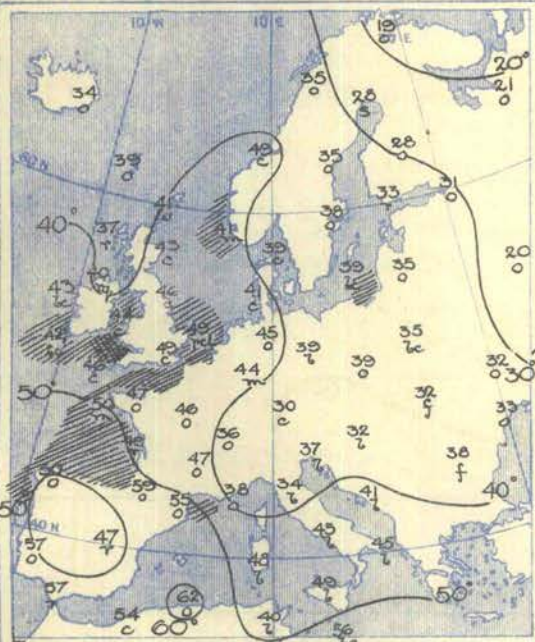
Wind in morning strong to a gale from between South-West and South over Ireland, England, and the adjacent part of the Continent, as well as in Scandinavia; strong from the Eastward in Iceland. Light anticyclonic airs prevailing in Russia, and light to moderate breezes from some Northerly point over the Mediterranean. Continuing strong to a gale during day in England and in some Irish localities, as well as over the North Sea and Scandinavia. Increasing to a gale from the Northward in Iceland. Falling light and backing to South-East at Valencia Island.

Barometer in morning ranging from above 30.4 ins. in central Russia, and above 30.1 ins. in a band extending from the Peninsula to Poland, to below 28.5 ins. in a very large depression having its minimum between Iceland and Scotland. Gradient steep and regular over the United Kingdom and the North Sea. Cyclonic system undergoing some modification in form during day, but the gradient continuing steep generally; a secondary appearing in the west during night and travelling north-eastward to Scotland.

Friday, 18th February, 1910.

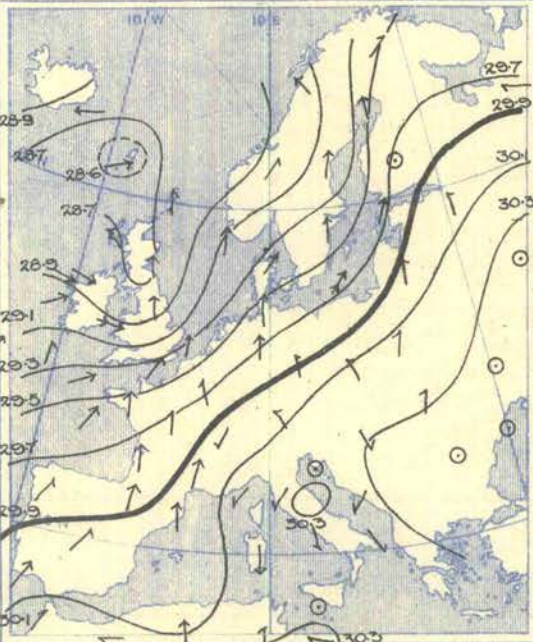
Temperature and Weather

7 a.m.

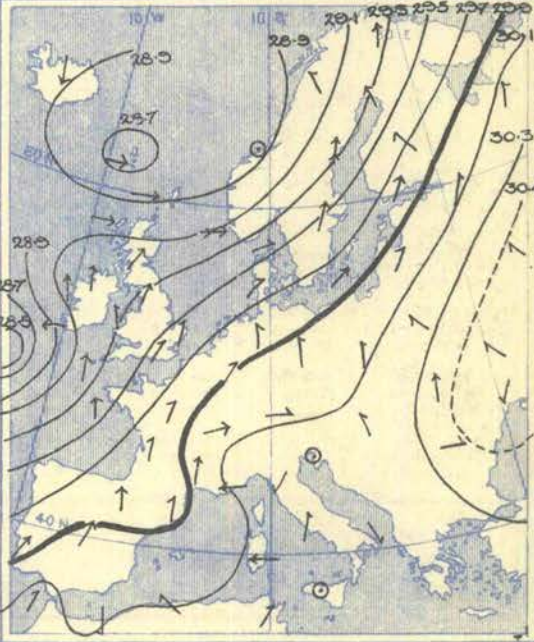


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rough and squally over all the north-western countries, with rain in places, and occasional fair intervals. Cloudy or overcast in Russia, fine and bright at most stations in the south of our area, but rainy at Madrid and San Fernando. Rain experienced later in nearly all parts of these Islands, the Netherlands, the north and north-west of France, and rain or snow in Scandinavia.

Temperature fallen in many parts of these Islands, risen in France, Germany, and Scandinavia. Readings in morning ranging from 62° at Algiers, and above 55° at a few other southern stations, to 30° at Munich, and to between 20° and 30° over the major portion of Russia. Maxima during day above 50° in several parts of this country and nearly the whole of France and Italy, a little above 60° in some Spanish localities, at Biarritz, and Malta, and as high as 72° at Cape de Garde. Thermometer remaining below 50° over the major portion of central Europe, but touching 57° at Carlsruhe.

Wind in morning Southerly at Valencia, but mainly Westerly in the west of these Islands, and Southerly in the east and also throughout the north-west of the Continent; strong or fresh generally, and blowing a gale in several localities. Light variable airs prevailing over the Mediterranean, and light anticyclonic airs in Russia. Wind subsiding during day over England, but backing towards night over these Islands generally, and increasing to a very strong breeze or a gale in the west and south-west. Increasing to a gale from South on the coast of Portugal by evening, and from West on the south-west coast of Norway.

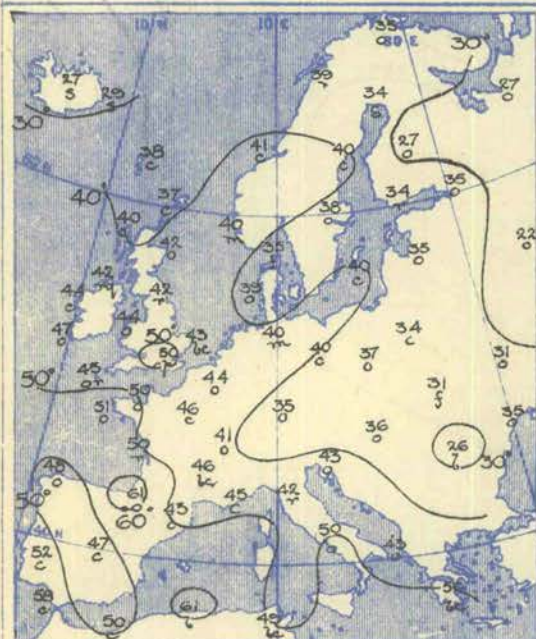
Barometer in morning above 30.4 ins. in central Russia, and relatively high in the south-east of our area; below 28.6 ins. in a depression having its minimum between Shetland and Iceland, and below 28.7 ins. in a secondary over Scotland. Gradient very steep over England and the southern half of the North Sea. Scottish secondary dispersing during day and main disturbance off Scotland becoming less deep. A fresh and very deep cyclonic centre approaching the south-west coast of Ireland by evening, and gradient again growing steep in the west generally.

VI.—SUMMARY OF WEATHER OVER EUROPE.

Saturday, 19th February, 1910.

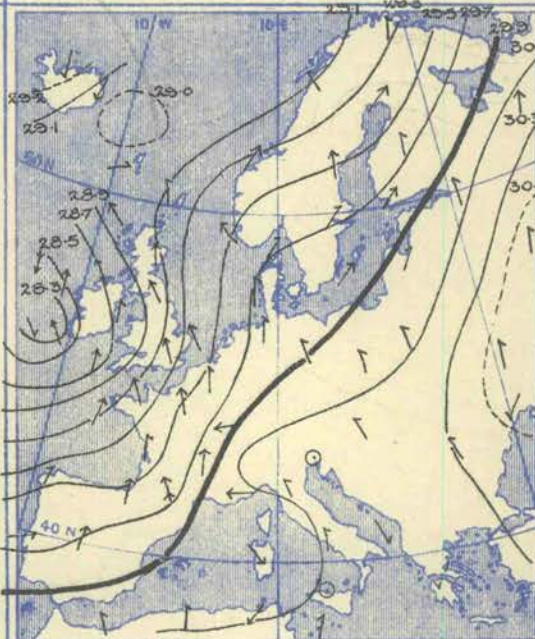
Temperature and Weather.

7 a.m.

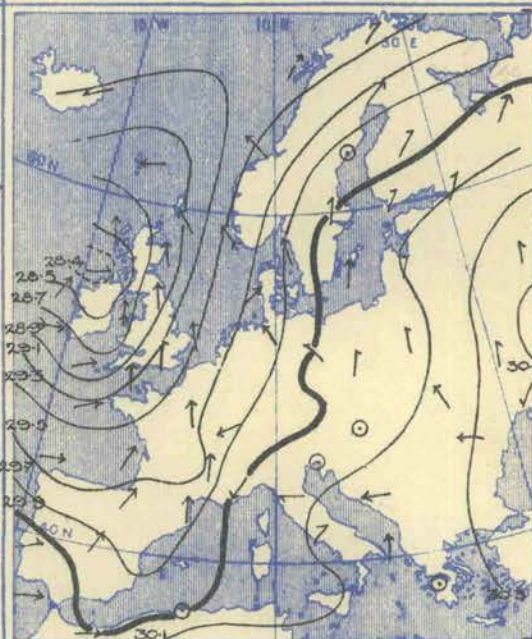


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rough and squally, with occasional rain, in nearly all parts of these Islands and north-western and western Europe. Fair to fine and bright over much of the Mediterranean region, but overcast at most stations in Italy, and rainy at Florence. Dull, quiet conditions prevailing over Russia. Continuing very rough all day over the United Kingdom and its neighbourhood, with squalls of rain at times; amounts not large generally; about half an inch at Stornoway and at some French stations.

Temperature changed undecidedly. Morning readings ranging from 61° at Algiers and Biarritz and 58° at San Fernando to about 50° in the south of England and the north-west of France, to below 40° over the major portion of the Continent, and to below 32° in some patches over the east and north of our area. Rising later to 75° at Algiers, 73° at Nemours, 70° at Perpignan and to above 60° at some other southern stations. Maxima above 50° at many of our own stations, and at many places in the Netherlands and Germany, but below it in Austria, and also in the north of Italy.

Wind in morning strong to a gale from between South and South-East over England, Ireland, and France, light to fresh, mostly from the Southward, in Scandinavia and Finland, and light or moderate from rather various quarters over the Mediterranean. A light to strong breeze from the Northward prevailing over Iceland, and strong South-Westerly and Westerly breezes in Portugal. Continuing strong to a gale throughout the day in these Islands, and increasing to a gale on the south-west coast of Norway. Veering to West by evening on our south-west coasts, but returning to the southward again during night.

Barometer in morning below 28.3 ins. in a depression centred off the south-west of Ireland, and about 29.0 ins. in another dispersing between the Feroes and Iceland. Increasing to above 30.4 ins. in the South of Russia. Gradient steep and increasing over these Islands. Irish depression travelling very quickly north-north-eastward during day and a secondary spreading over Wales and the adjacent Channels. A new and rapid fall of the mercury setting in at night in the south-west of Ireland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.	Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Feb. 13th, 10.0 a.m. to 11.25 a.m.	Brighton, 115 m.	Temperature Humidity Wind ..	278° 100% 210°, 6	279° 5' 100% 225°, 9	278° 5' 100% 225°, 10				Metres. 500	Thick fog, rain at times.
2	Feb. 14th, 10.25 a.m. to 11.30 a.m.	Purton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	277° 5' 90% 250°, 6	277° 90% 260°, 9	274° 5' 100% 270°, 11	272° 5' 100% 290°, 12			272° 100% 290°, 12	Clouds at 900 m. Overcast. Clear by noon.
3	Feb. 15th, 10.7 a.m. to 11.6 a.m.	Purton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	279° 80% 270°, 6	278° 5' 80% 270°, 13	277° 5' 90% 290°, 14	274° 5' 65% 290°, 19			274° 5' 70% 290°, 19	A few fleecy clouds at about 800 m. Very steady wind.
4	Feb. 18th, 10.17 a.m. to 11.4 a.m.	Purton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	283° 80% 200°, 9	282° 80% 200°, 16	279° 95% 225°, 18	276° 5' 70% 235°, 21			276° 5' 70% 235°, 21	Clear. Very gusty. Heavy squall with hail in afternoon.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4
No. of Kites ..	1	1	1	1
Area of Surface (metres) ..	7	8	6	4
Length of Wire (metres) ..	1,000	1,400	1,500	1,100

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

65

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 8.

EIGHTH WEEK, SUNDAY, FEBRUARY 20TH, TO SATURDAY, FEBRUARY 26TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather continued very unsettled over the whole Kingdom, and was frequently rough and squally. The precipitation which occurred daily over a very wide area was mostly in the form of rain, but snow and sleet showers were rather common during the latter part of the week. Thunderstorms, with hail locally, were experienced on Sunday at many stations in the southern half of England, and thunder or lightning was reported at a few isolated places later in the period.

Temperature was below the average in Scotland, Ireland, and the north-west of England, but above it elsewhere, the greatest difference from the normal being about $3\frac{1}{2}^{\circ}$ in England E. and S.E. The highest of the maxima were recorded generally either on the 20th or 21st, and varied from 53° in the Midland counties and the English Channel to 47° in Scotland N. The lowest of the minima, which occurred during the latter half of the week, ranged from 16° in Scotland E. (at Balmoral on the 25th) and 25° in Scotland N. and Ireland N. to 30° in England E. and S.E., and to 40° in the English Channel. The lowest grass readings reported were 12° at Balmoral, 17° at Cambridge, 19° at Buxton, 20° at Sheffield and Markree Castle, and 21° at West Linton and Oxford.

Mean Temperature of the Sea.—On the south-west, south and south-east coasts of England the water was warmer than during the corresponding week of last year, but in nearly all other districts it was rather colder. The mean values ranged from 48° at Plymouth and Newquay to about 40° on several parts of the north-east coast, and at Kirkwall, and to 38° at Burnmouth.

Rainfall exceeded the average in all districts except Scotland N., the excess being very large over the greater part of England and Ireland. Heavy falls during any twenty-four hour period were, however, rare, the only amounts of an inch occurring on Sunday, when 1.04 inch was collected at Tunbridge Wells, 1.21 inch at Worthing, and 1.17 inch at Newton Rigg.

Bright Sunshine exceeded the normal except in the north-east, east, and south-east of England. The percentage of the possible duration ranged from 42 in Ireland S., 38 in the English Channel, 37 in England S.W., and 36 in Scotland E., to 25 in England N.E. and S.E.

Barometer and Wind.—Cyclonic systems from the Atlantic continued to follow each other in quick succession, those arriving early in the week travelling north-eastwards, with their centres outside our western coasts, and those of the latter half moving from west to east directly over these Islands. The most important system with regard to barometric gradient and wind was that of Sunday, when a violent gale from between South and South-West was experienced, the squalls reaching "storm" force in many parts of the country, and hurricane force at Southport, Scilly and Pendennis Castle (Falmouth) (see pp. 60 and 68). Fresh to strong or high winds occurred with some of the subsequent depressions; on the south coast of Ireland a Southerly gale was felt during the night of Wednesday, and on Saturday there was a North-Westerly gale in that district, as well as at Portland Bill.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 68.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Deficient	Deficient	Unusual
	Rainfall ...	Moderate	Heavy	Heavy	Very heavy	Very heavy	Very heavy	Heavy	Very heavy	Very heavy	Very heavy	Very heavy	Very heavy
	Sunshine ...	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 12 weeks from Dec. 5th, 1909.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	4 * 4	2 * 4	4 * 3	3 * 4	2 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 1	6 * 1	7 * 1	5 * 2	5 * 1	7 * 1	7 * 2	5 * 3	5 * 3	5 * 3
	Sunshine ...	9 * 2	6 * 0	4 * 2	6 * 2	7 * 2	7 * 2	4 * 1	7 * 0	5 * 1	4 * 4	4 * 0	2 * 3

PAST SEASONS.

WINTER, 1908-9. Nov. 29th-Mar. 6th. 14 weeks.	Warmth ...	3 * 2	3 * 2	2 * 7	4 * 6	2 * 6	4 * 6	3 * 2	4 * 6	4 * 6	6 * 1	4 * 2	5 * 5
	Rainfall ...	2 * 6	3 * 5	1 * 6	3 * 7	3 * 7	4 * 8	4 * 3	2 * 6	4 * 8	3 * 4	3 * 6	5 * 8
	Sunshine ...	6 * 2	5 * 3	3 * 3	4 * 6	4 * 6	5 * 4	4 * 2	8 * 1	6 * 2	4 * 5	2 * 4	6 * 3
SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
	Rainfall ...	3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

EIGHTH WEEK—February 20th to February 26th, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH																			
Eastern																			
1. SCOTLAND, EAST		48	16	42.1	31.4	36.8	- 0.1	0	- 8	37	- 6	5	+ 2	0.72	+ 0.22	24	+ 6	36	+ 8
2. ENGLAND, N.E.		49	29	43.7	34.2	39.0	+ 0.5	5	- 4	29	- 5	6	+ 2	0.75	+ 0.42	17	- 2	25	- 2
3. ENGLAND, EAST		52	39	47.3	36.9	42.1	+ 3.7	22	+ 10	14	- 23	6	+ 3	1.06	+ 0.73	19	- 1	27	- 1
4. MIDLAND COUNTIES		53	26	45.9	34.6	40.3	+ 1.8	11	- 2	29	- 9	7	+ 4	1.23	+ 0.83	19	+ 2	27	+ 3
5. ENGLAND, S.E.		52	30	47.9	38.7	43.3	+ 3.5	23	+ 9	9	- 21	7	+ 5	1.50	+ 1.07	18	- 3	25	- 4
Western																			
6. SCOTLAND, WEST		50	26	43.4	33.9	38.7	- 0.2	4	- 5	30	- 2	6	+ 2	1.25	+ 0.42	19	+ 3	27	+ 5
7. ENGLAND, N.W.		48	29	43.8	34.4	39.1	- 0.3	5	- 6	28	- 2	7	+ 3	1.33	+ 0.81	20	+ 2	29	+ 2
8. ENGLAND, S.W.		52	28	47.3	37.8	42.6	+ 1.6	22	+ 5	12	- 12	7	+ 3	1.80	+ 1.12	26	+ 5	37	+ 8
9. IRELAND, NORTH		49	25	44.0	32.2	38.6	- 1.9	6	- 8	32	+ 7	7	+ 3	1.43	+ 0.80	24	+ 7	35	+ 9
10. IRELAND, SOUTH		51	27	46.1	34.6	40.4	- 1.7	11	- 10	29	+ 9	7	+ 4	1.75	+ 0.99	30	+ 10	42	+ 14
11. ENGLISH CHANNEL		53	40	49.9	42.6	46.3	+ 2.3	30	+ 7	0	- 10	7	+ 3	1.80	+ 1.20	27	+ 2	38	+ 3
THE SEASON (Winter).—Aggregates, &c., for the Period of 12 Weeks, December 5th, 1909 to February 26th, 1910.																			
0. SCOTLAND, NORTH		55	2	*	*	*	*	48	- 46	561	+ 145	70	+ 8	15.54	+ 0.19	120	+ 32	20	+ 5
Eastern																			
1. SCOTLAND, EAST		57	-10	*	*	*	*	62	- 29	577	+ 85	56	+ 8	8.08	+ 0.96	172	+ 40	27	+ 6
2. ENGLAND, N.E.		56	6	*	*	*	*	109	- 5	402	+ 9	57	+ 14	7.33	+ 2.27	168	+ 29	25	+ 4
3. ENGLAND, EAST		57	17	*	*	*	*	134	+ 18	330	- 115	56	+ 11	6.92	+ 2.16	190	+ 33	27	+ 5
4. MIDLAND COUNTIES		57	8	*	*	*	*	122	- 10	391	- 56	59	+ 15	8.43	+ 2.55	173	+ 39	25	+ 6
5. ENGLAND, S.E.		57	13	*	*	*	*	158	- 8	276	- 55	59	+ 15	9.06	+ 2.76	188	+ 35	26	+ 5
Western																			
6. SCOTLAND, WEST		57	0	*	*	*	*	100	- 28	410	+ 82	59	+ 4	15.32	+ 2.45	139	+ 24	21	+ 4
7. ENGLAND, N.W.		58	7	*	*	*	*	121	- 11	312	- 9	66	+ 16	12.82	+ 4.69	162	+ 40	24	+ 0
8. ENGLAND, S.W.		55	8	*	*	*	*	183	- 31	222	- 23	65	+ 14	14.07	+ 3.70	177	+ 23	25	+ 3
9. IRELAND, NORTH		57	7	*	*	*	*	154	- 11	325	+ 46	69	+ 12	11.52	+ 2.21	150	+ 17	22	+ 2
10. IRELAND, SOUTH		59	8	*	*	*	*	213	- 43	262	+ 50	69	+ 16	12.33	+ 1.40	179	+ 23	26	+ 3
11. ENGLISH CHANNEL		56	28	*	*	*	*	303	- 22	66	- 23	69	+ 12	10.80	+ 2.00	188	- 5	26	- 1
THE YEAR.—Aggregates, &c., for the Period of 8 Weeks, January 2nd to February 26th, 1910.																			
0. SCOTLAND, NORTH		55	2	*	*	*	*	35	- 19	359	+ 65	48	+ 7	10.92	+ 0.37	95	+ 24	22	+ 5
Eastern																			
1. SCOTLAND, EAST		57	-10	*	*	*	*	47	- 14	377	+ 41	40	+ 9	5.57	+ 1.09	130	+ 25	29	+ 6
2. ENGLAND, N.E.		56	6	*	*	*	*	71	+ 1	274	+ 6	39	+ 10	4.28	+ 1.24	131	+ 25	28	+ 5
3. ENGLAND, EAST		57	17	*	*	*	*	103	+ 26	218	- 84	37	+ 8	4.13	+ 1.11	143	+ 24	30	+ 5
4. MIDLAND COUNTIES		57	10	*	*	*	*	86	- 4	254	- 46	40	+ 11	5.16	+ 1.40	134	+ 33	23	+ 7
5. ENGLAND, S.E.		57	13	*	*	*	*	113	+ 10	162	- 68	40	+ 12	5.99	+ 2.00	137	+ 25	28	+ 5
Western																			
6. SCOTLAND, WEST		57	0	*	*	*	*	69	- 11	274	+ 42	43	+ 7	10.18	+ 2.15	105	+ 17	23	+ 4
7. ENGLAND, N.W.		58	7	*	*	*	*	87	+ 4	293	- 19	46	+ 13	8.23	+ 3.11	123	+ 30	26	+ 6
8. ENGLAND, S.W.		55	8	*	*	*	*	132	- 2	132	- 43	45	+ 12	9.48	+ 3.18	131	+ 17	27	+ 4
9. IRELAND, NORTH		55	7	*	*	*	*	106	- 4	221	+ 29	48	+ 11	8.64	+ 2.76	117	+ 18	25	+ 4
10. IRELAND, SOUTH		59	18	*	*	*	*	156	- 9	163	+ 22	49	+ 15	9.00	+ 2.19	136	+ 23	28	+ 5
11. ENGLISH CHANNEL		55	28	*	*	*	*	201	+ 5	32	- 38	47	+ 10	8.13	+ 2.83	148	+ 7	29	+ 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office. Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	38.0	—	Harrogate	5	22	38.3	39.7	6. Dumfries	4	25	38.0	40.0
1. Aberdeen	—	—	—	38.4	Huddersfield	5	24	38.0	39.6	Douglas	4	27	—	—
Crathes	6	20	35.8	36.3	Buxton	6	19	37.6	40.7	Aspatia	3	28	—	—
Balmoral	6	12	—	—	Sheffield	6	20	38.3	40.6	Newton Rigg	5	28	38.5	39.4
West Linton	5	21	—	—	Nottingham	5	24	38.2	39.7	Burnley	5	25	37.6	40.1
Marchmont	5	22	36.9	—	Birmingham	3	28	39.8	42.9	Southport	5	25	38.1	39.6
Cockle Park	4	23	36.3	38.9	Oxford	2	21	—	—	Manchester City	0	33	38.7	41.3
Durham	5	24	—	—	Hereford	4	22	—	—	Bettws-y-Coed	2	28	39.4	42.6
York	—	—	38.8	40.4	Cirencester	4	25	40.6	42.1	Llangammarch Wells	4	22	40.4	43.4
Hull	5	25	39.0	41.0	Bath	—	—	42.1	43.1	Cardiff	2	29	41.5	43.1
Lincoln	—	—	37.7	39.3	Margate	0	31	42.0	42.2	Clifton	2	29	—	—
Rauceby	5	25	39.9	42.0	Greenwich	2	27	—	—	Plymouth	1	30	43.9	—
Norwich	3	28	—	—	Westminster	1	28	—	—	9. Armagh	3	23	39.2	42.1
Yarmouth	—	—	39.7	42.0	Kew	4	22	41.7	42.4	Markree	3	20	40.0	43.3
Lowestoft	2	28	39.8	41.3	Canterbury	2	25	42.2	42.9	10. Dublin, Trin. Coll. ..	3	23	40.6	43.3
Cambridge	6	17	40.4	42.1	Tunbridge Wells	4	26	40.4	—	11. Guernsey, Brooklyn	0	33	44.6	45.1
Clacton-on-Sea	1	30	42.2	43.7	Wisley	1	27	41.4	43.0					
Southend	0	31	41.7	—	Worthing	1	28	42.5	43.1					
Tottenham	1	29	—	42.9	Portsmouth	1	28	43.4	44.8					
					6. Glasgow	3	26	—	—					
					Rotherham	—	—	—	40.8					
					Colmonell	3	25	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	42	42	42.0	SCOTLAND, W.	Lamlash	43	43	43.0
	Kirkwall	41	40	40.4		Ballantrae	43	42	42.2
	Wick	? 42	? 42	? 42.0	ENGLAND, N.W.	Port Erin	45	43	43.9
SCOTLAND, E.	Cromarty	41	38	39.7		Newquay	48	48	48.0
	Pennan Bay	42	40	40.8	ENGLAND, S.W.	Plymouth	49	48	48.3
	Aberdeen, Cove Bay	41	40	40.1		Salcombe	47	46	47.0
ENGLAND, N.E.	Burnmouth, Berwick	39	37	38.3	IRELAND, N.W.	Sheephaven	44	43	43.3
	Scarborough	42	39	40.8		Teelin	44	39	42.1
ENGLAND, E.	Shipwash Lightship	45	41	42.7	IRELAND, S.W.	Cleggan	44	40	42.0
	Margate	44	43	43.4		Seafeld	47	45	45.6
ENGLAND, S.E.	Eastbourne	44	43	43.3	IRELAND, E.				

† Only one observation each day.

GALES OF FEBRUARY 19th, 20th, and 21st, 1910.

Highest Wind Velocities recorded at Anemograph Stations.

Anemograph Stations.	Greatest "run" in one hour.	Greatest velocity in a gust in miles per hour.	Anemograph Stations.	Greatest "run" in one hour.	Greatest velocity in a gust in miles per hour.
Deerness	46 miles from SE.	—	Plymouth	56 miles	73
Aberdeen	39 " " SE.	66	Pendennis Castle	62 " "	87
Alnwick	33 " " S.	56	Scilly	53 " from W.	86
North Shields	36 " " SSW.	—	Holyhead	46 " " SW.	65
Gorleston	46 " " S.	62	Southport	63 " "	85
Shoeburyness	53 " "	70	Fleetwood	46 " " WSW.	—
Pyrton Hill	31 " "	50	Kingstown	59 " " SW.	—
Kew	39 " " S.	64	Dublin	31 " " SSW.	—
Warringham	32 " "	55	Roche's Point	46 " "	68
Dover	46 " "	69	Valencia	53 " " W.	—
Brighton	39 " "	68			

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, only once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, only once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: $\rightarrow$ = blue sky; $\rightarrow$ = detached cloud; $\rightarrow$ = overcast; $\rightarrow$ = misty (hazy); $\rightarrow$ = foggy; $\rightarrow$ = squally; $\rightarrow$ = rain; $\rightarrow$ = hail; $\rightarrow$ = snow; $\rightarrow$ = lightning; $\rightarrow$ = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

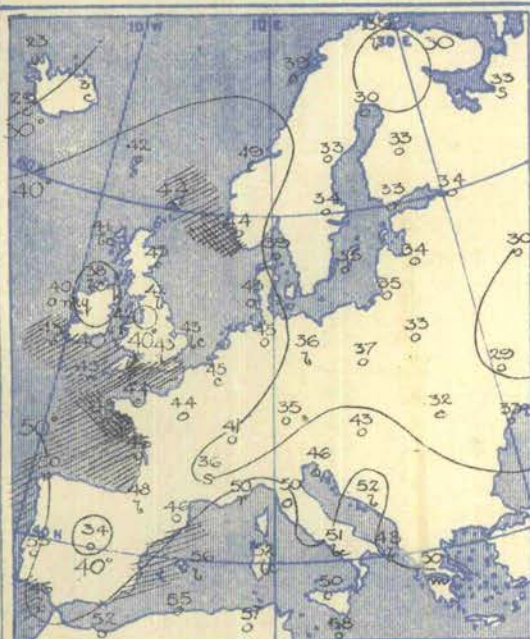
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 20th February, 1910.

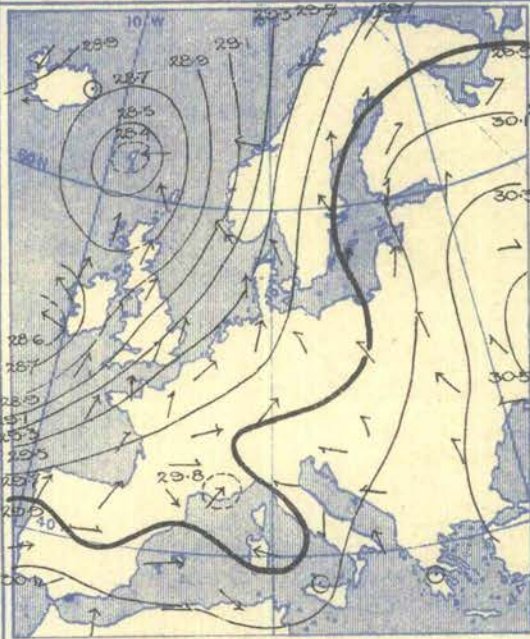
Temperature and Weather.

7 a.m.

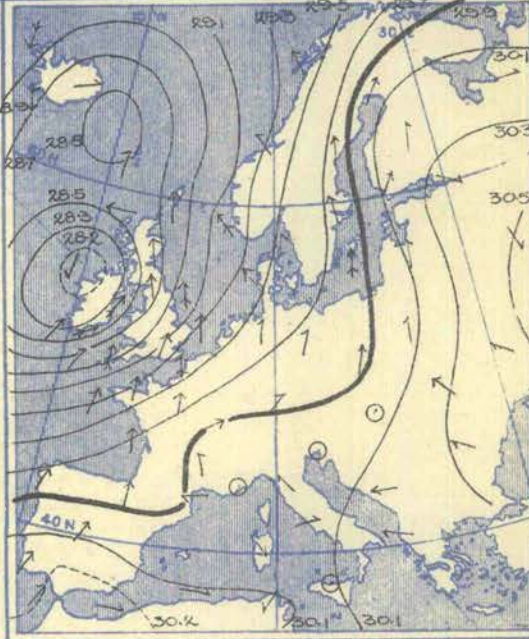


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very variable over the western half of our area, fair to fine in several places, rainy or showery in others, and snow falling at Lyons and also in Iceland. Fine and bright over the greater portion of Italy, and overcast and dry in Russia. Considerable or heavy rain falling later throughout these Islands, with thunderstorms in several localities, and heavy rain in many French districts and at Corunna. Slighter amounts experienced in the north of Italy and central Europe.

Temperature fallen in most regions. Morning readings ranging from 58° at Malta and very little lower at several other Mediterranean stations to between 41° and 43° over the greater part of the United Kingdom, to below 40° over the east and north-east of our area, and to 8° at Kharkoff. Maxima during day about 50° at some of our own stations, and also in France and the Netherlands, and above 60° over the south of our area; thermometer rising to 72° at Palermo.

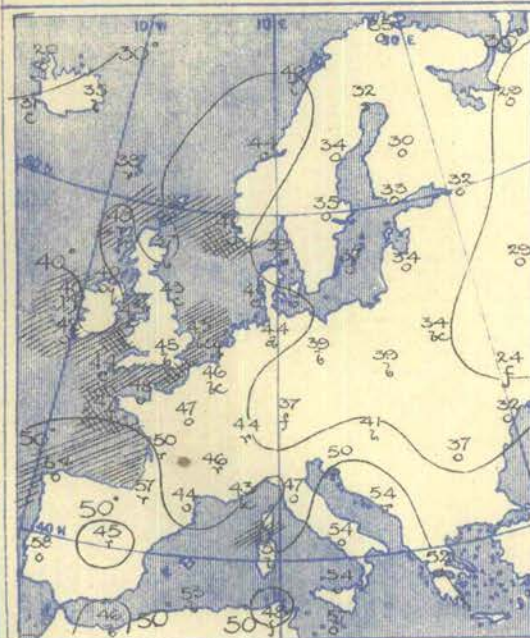
Wind in morning Southerly over most of the United Kingdom, but drawing into South-east in Ireland; Southerly to South-Easterly in Scandinavia, and Easterly to North-Easterly over the Icelandic region; fresh to high in the west and south of these Islands, and strong to a gale beyond the North Sea. Light to moderate breezes from various quarters prevailing over the Mediterranean, and light anticyclonic breezes over Russia. Increasing to a severe gale from the Southward and South-Westward later over England, Wales, and Ireland; reaching hurricane force on some parts of our west and south-west coasts. A general increase of force taking place over the North Sea and Scotland.

Barometer in morning below 28.4 ins. in a depression off the north of Scotland, and below 28.6 ins. in a new system off the south-west of Ireland. Highest, above 30.5 ins., in the south of Russia, and relatively high in the south-west of our area. Irish depression moving north-north-eastward during day and night, and barometer falling to about 28.1 ins. in the north-west of Ireland. Gradient becoming very steep over the whole of England, the Channel, and the North Sea, and increasing considerably over the northern and western countries generally.

Monday, 21st February, 1910.

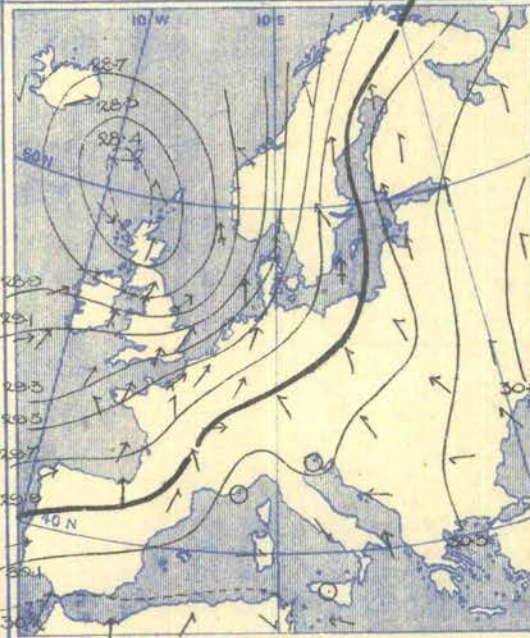
Temperature and Weather.

7 a.m.

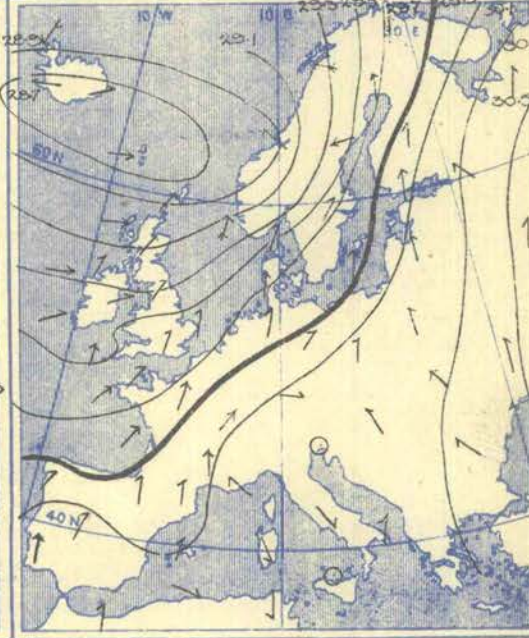


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning still rough and unsettled over the whole of western and north-western Europe, with rain in several places. Generally overcast in Russia and Italy, with rain on the shores of the Adriatic; fair to fine and bright in Algeria and the south of Spain. Heavy rain later at Pembroke and in Brittany, smaller amounts in most parts of the United Kingdom, and in various localities on the Continent. Lightning observed at night at Malin Head.

Temperature changed rather irregularly; fallen in most places. Morning readings above 50° at many stations in the south of our area, and as high as 57° at Malta and 58° at Lisbon. 40° or below over the greater part of the Continent and in the north and west of these Islands, and below 32° over a large portion of Russia; lowest value, 7° at Kharkoff. Rising later to 70° at Algiers, to above 60° at many other stations on the southern coasts of our area, and nearly touching 60° at Clermont and Toulouse. Maxima below 50° in most parts of these Islands, as well as at Turin, in some parts of Austria and Germany, and also in the north-east of France.

Wind in morning showing a very extensive cyclonic circulation, strong to a gale, over all the north-western countries and the adjacent Seas and Channels. A feeble cyclonic movement prevailing over the Mediterranean, and light anticyclonic airs in Russia. Gales subsiding, except in Norway, during day, and wind veering somewhat in most parts of these Islands; backing to South by 6 p.m. at Sicily, and to the Eastward in the south of Ireland at night.

Barometer in morning above 30.5 ins. over the eastern half of Russia, and above 30.2 ins. in the north of Africa. Below 28.4 ins. in a very large and deep depression having its minimum off the north of Scotland. Gradient steep or very steep over the whole of north-western Europe. A shallow disturbance shown over Sardinia and its vicinity. Main cyclonic system decreasing in intensity during day, and gradient becoming less steep generally. A fresh fall of the barometer setting in during night in the south-west of these Islands.

Tuesday, 22nd February, 1910.

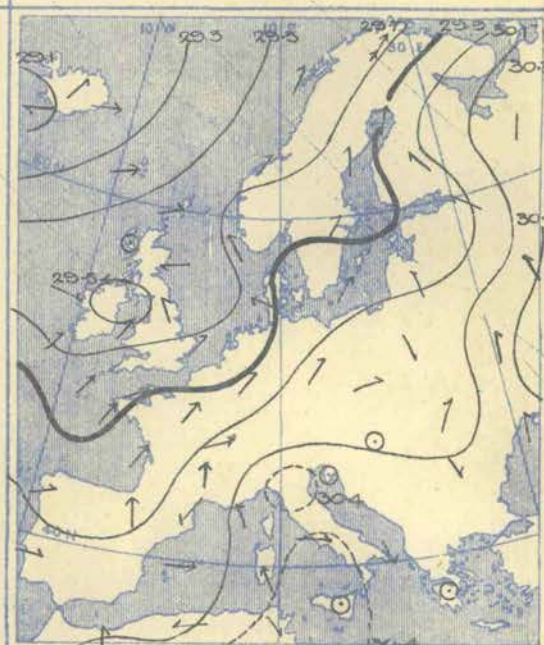
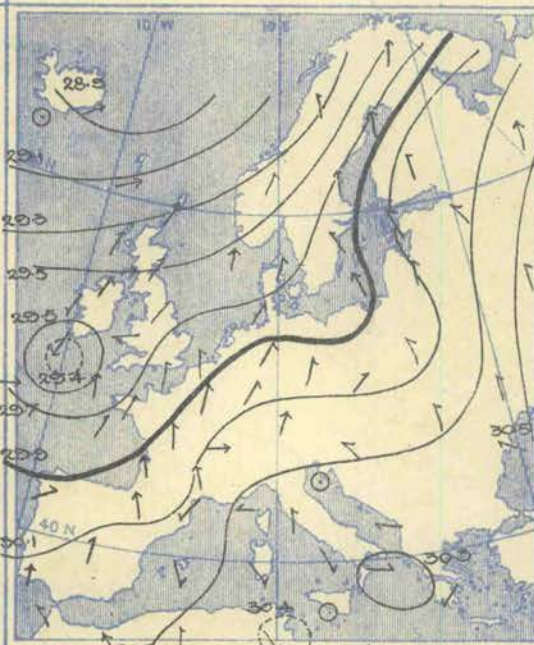
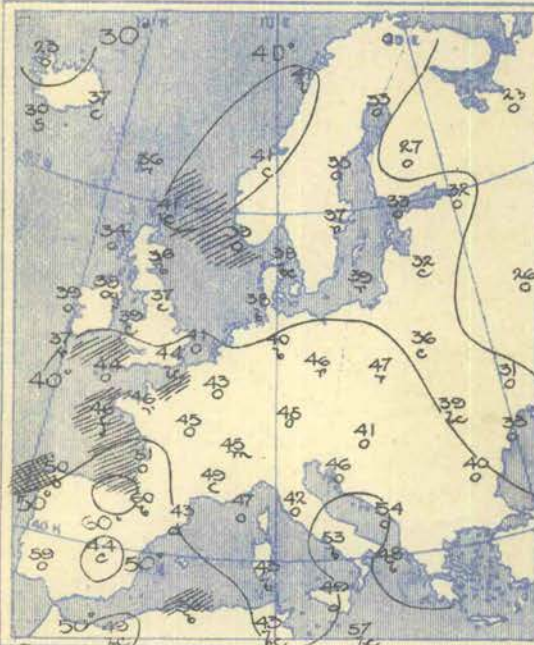
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning temporarily fair over the east and north-east of these Islands, but rainy in some parts of Ireland; rain falling in the north-west of France, and also in Germany and the south of Sweden, and an overcast sky prevailing in Russia and at many Italian stations. Fine and bright conditions general in Algeria and the south of Spain. Rain experienced later in the United Kingdom, central and north-eastern Europe, as well as in Portugal; about 0.4 in. in the south of England and in various parts of France, and 0.9 in. at Oporto.

Temperature fallen in most regions risen in central Europe. Morning readings above 32° generally, but below it over the greater portion of Russia, and as low as 8° at Kharkoff; about 45° in Germany and Austria, the east of France, northern Italy, and the south of England, above 50° on some shores of the Mediterranean and on the Atlantic coast of the Peninsula, and as high as 60° at Biarritz. Rising later to 70° at Malta, 66° at Biarritz and Algiers, to 60° or rather above at many other southern stations, and also at Carlsruhe. Maxima below 50° at almost all our own stations. Slight frost at night in some parts of northern England, Scotland, and Ireland.

Wind in morning showing a cyclonic circulation of little force in the south-west of these Islands, and a Southerly to South-Westerly current over the west and north of our area generally. Light and rather variable air prevailing over the south of Europe generally, but a gale from South-West reported at Bilbao. Veering from North-East to the South-Westward in the west of Ireland during day, and becoming more Westerly in the south of England. A strong gale from South-West setting in over the extreme north of Norway.

Barometer in morning ranging from above 30.5 ins. in Russia to below 29.4 ins. in the south-west of Ireland, and to less than 28.9 ins. over the north-east of Iceland. Irish depression moving north-eastward during day, but no great modification taking place in the general distribution of pressure. Local irregularities appearing in various parts of our area, and a brisk rise of the mercury occurring between Norway and Iceland.

Wednesday, 23rd February, 1910.

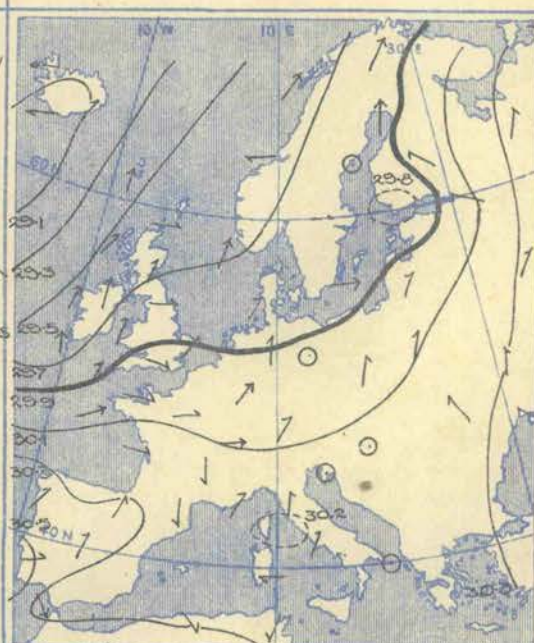
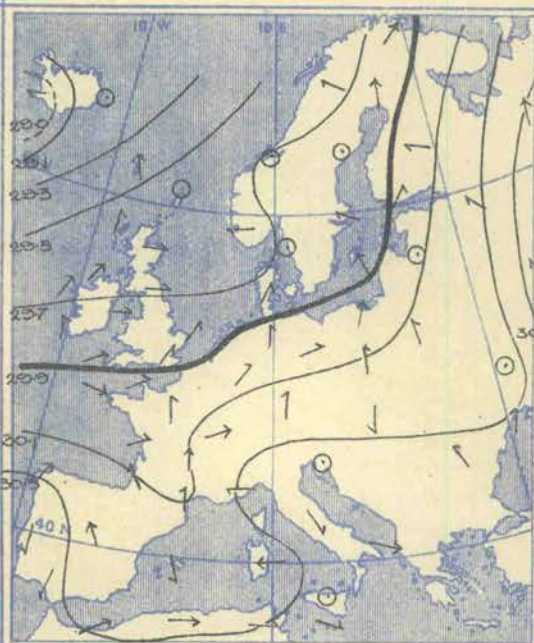
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright at most stations in the Mediterranean region, and temporarily fine in various parts of the United Kingdom; showery or rainy in the south of England, in Belgium, France, and the Spanish Peninsula, and snow or rain falling in several parts of Scandinavia and Finland, as well as at St. Petersburg and Memel.

Temperature fallen generally, risen in southern Russia and in northern Africa. Morning readings ranging from 64° at Algiers to 54° at Malta, to less than 50° at some other southern stations, to below 40° over the greater portion of the United Kingdom and a vast area on the Continent, and to below 20° in central Russia. Maxima during day as high as 73° at Algiers, above 60° over a wide area in the south, and 50° or above in central Europe and France. Thermometer remaining below 50° at almost all our own stations as well as at Turin and Pesaro. Slight frost at night in Scotland, central England, and central Ireland.

Wind in morning mainly South-Westerly and Southerly over these Islands and the western and northern countries of the Continent; light to moderate in force generally, but strong at Corunna and at some northern stations, and fresh at Blackod Point. Light to moderate breezes from various quarters prevailing over the Mediterranean region. Increasing to a fresh or strong breeze from South later on the west and south-west coasts of these Islands. A high wind setting in from West or North-West at Malaga and Nemours.

Barometer in morning above 30.5 ins. in the east and north-east of our area, and above 30.3 ins. in the south-west; below 28.9 ins. in the south west of Iceland, and relatively low in a secondary depression over the northern portion of the North Sea. Falling very briskly later in the west of these Islands, and a new depression appearing over that region and off our north-west coasts during night. Little change in the general distribution of pressure.

Thursday, 24th February, 1910.

Temperature and Weather.

7 a.m.

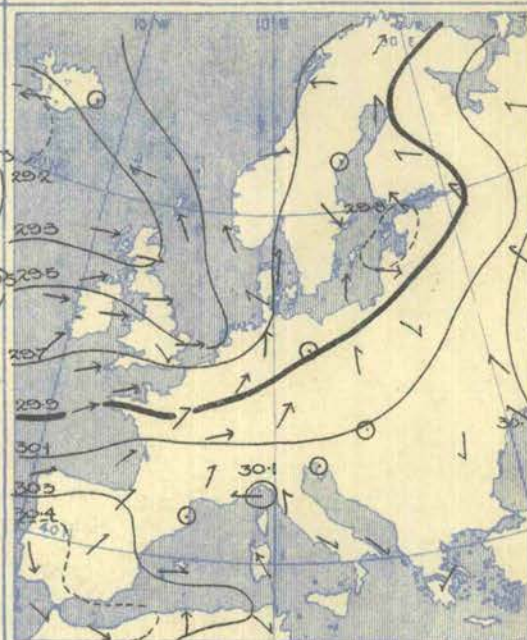


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very unsettled, with rain in places, over these Islands and their neighbourhood. Snow falling in some parts of Sweden, rain at St. Petersburg, some German stations, at Nice, Cape de Garde, and Lisbon. Sky nearly cloudless in most of Spain and at a few stations in other parts of southern Europe. A considerable fall of rain later over the United Kingdom, the Netherlands, and the north and north-east of France, and some slight falls in a few other localities.

Temperature changed irregularly. Morning readings ranging from 55° or above at some places in the south of our area to below 40° generally, and to below 30° over a large portion of Russia; lowest value, 8° at Kharkoff. Maxima below 40° in some parts of Scotland, and below 50° over these Islands generally, as well as in the Low Countries, Germany, and the north-east of France, and at Madrid and Turin. Above 60° at some stations in the far south of our area; as high as 72° at Biskra.

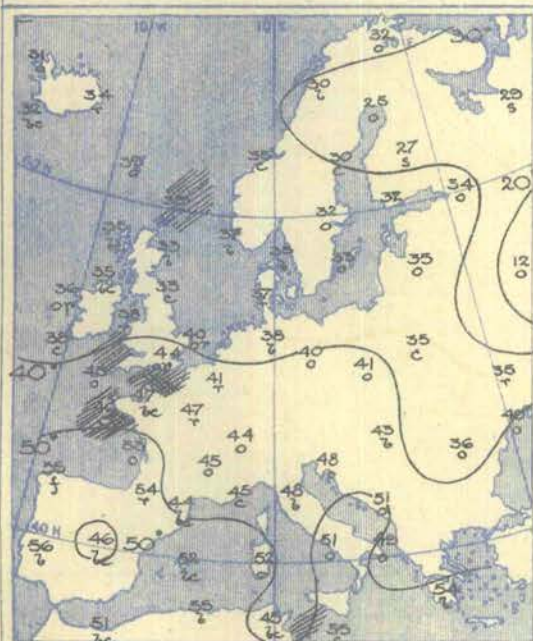
Wind in morning Westerly to North-Westerly in the west and south of Ireland, South-Westerly over France, and Southerly to South-Easterly over Great Britain, and Easterly in Iceland; fresh to strong in force in many localities. Light anticyclonic winds from the Southward prevailing in Russia, and moderate breezes from between West and North-West over the western portion of the Mediterranean. Veering to the Westward later along the east coast of Great Britain and in Holland, and increasing to a gale at the Helder. Backing to the South-Westward by evening on the south-west coast of Ireland.

Barometer in morning above 30.5 ins. in central Russia and also in Morocco. Below 29.2 ins. in a depression off the north-west of these Islands, and relatively low in less well-defined disturbances in some other parts of our area. A southern extension of the main disturbance moving eastward over these Islands to the North Sea during day, and a brisk recovery of pressure taking place in its rear in the west of England. Another depression arriving quickly from the Atlantic during night and moving eastward over our western districts.

Friday, 25th February, 1910.

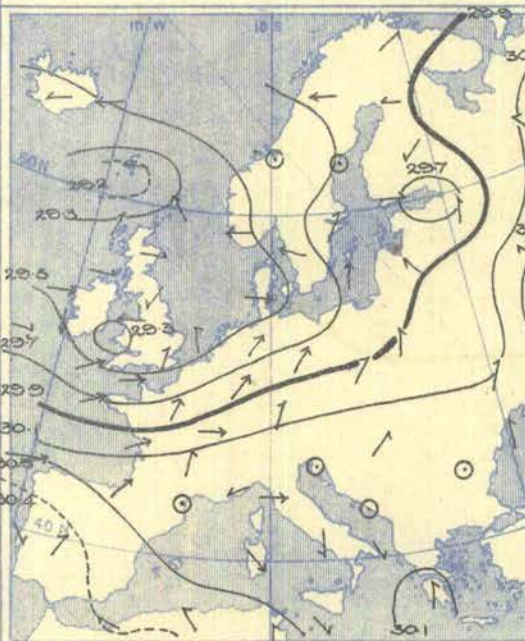
Temperature and Weather.

7 a.m.



Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine in Scotland, rainy in many parts of Ireland and England, and over the adjacent portion of the Continent. Fair or fine and bright over the major part of southern Europe, but overcast, with rain or snow in a few localities, in the east and north-east of our area. Rain falling later in England, Ireland, the Netherlands, and most parts of France and Germany, the amounts being considerable in several localities.

Temperature fallen in most regions. Morning readings ranging from above 50° at some stations in the south and south-west of our area to below 40° in most parts of these Islands and over a large portion of the Continent, to 31° at Nairn, and to below 30° in Russia; lowest value, 15° at Moscow. Maxima during day about 50° over our southern and western districts, and a few degrees higher in most parts of France, Austria, and Italy, but a little lower in Germany. Thermometer rising to above 60° at several places in the far south of our area. Frost at night in Scotland; minimum, at Nairn, 23°.

Wind in morning cyclonic generally, the chief movements being over the United Kingdom and its neighbourhood, and the Gulf of Finland. Westerly current strong to high on the English Channel and in the south-west of England. Light breezes from various quarters prevailing over the Mediterranean. Backing to South-West or South during day along the western seaboard of these Islands, and blowing a strong breeze at Valencia. Continuing strong to high over the Channel and the north of France. Veering to the North-Westward on the Straits of Dover, and increasing to the force of a high wind.

Barometer in morning above 30.4 ins. in the south-west of our area, and also in the neighbourhood of Kharkoff. Below 29.7 ins. in a depression over the Gulf of Finland, less than 29.3 ins. in another system centred near Pembroke, and a little lower in a larger disturbance off the north and north-west of Scotland. Welsh depression moving eastward to the Dutch coast during day, and recovery of pressure over England brisk. Pressure decreasing again briskly on the west coast of Ireland by evening.

Saturday, 26th February, 1910.

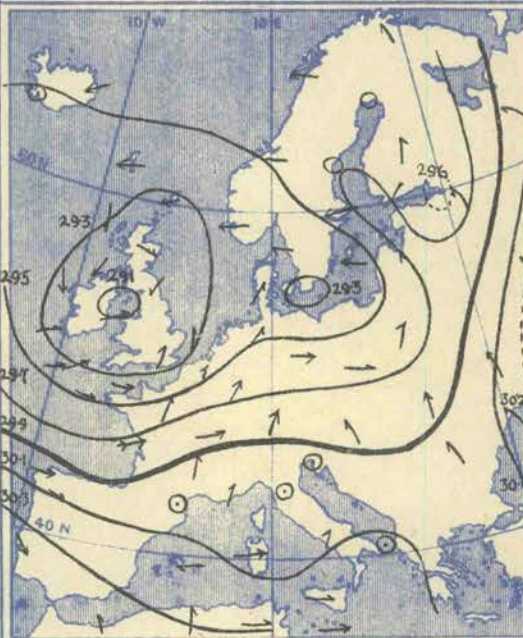
Temperature and Weather.

7 a.m.

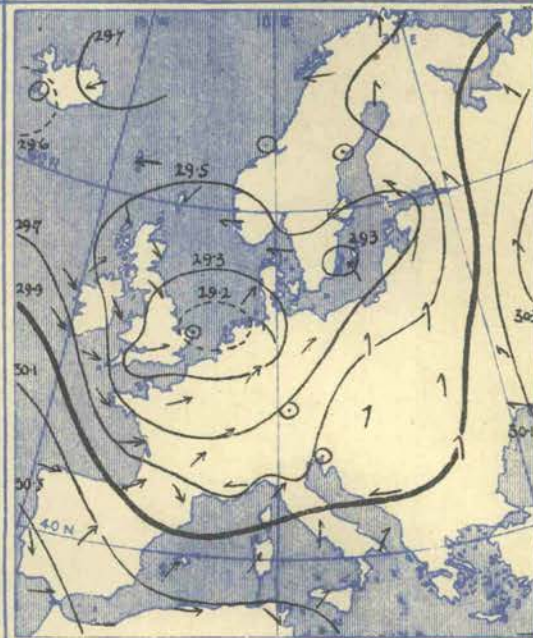


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very unsettled over the whole of western and northern Europe, with rain or passing showers in many parts of these Islands, France and Germany, and snow and sleet further north. Fair to fine and bright at most stations in the Mediterranean region. Rain, sleet, or hail experienced later over nearly the whole of this country, more than 0.5 in. at North Shields and considerable or heavy amounts of rain over France, the Netherlands, and the northern districts of Spain and Italy. More than an inch at Charleville and Lugano, and nearly two inches at Turin.

Temperature showing no decided change. Morning readings ranging from 59° at Algiers and above 60° at several other southern stations to about 40° in Germany and to below 32° in Scotland and a large area in the east and north of the Continent. Maxima during day below 40° in the north-east of England, but above 45° in the west and south of these Islands. Thermometer rising to 75° at Nemours, 70° at Algiers, and to above 60° over a large area in the south.

Wind in morning showing two distinct cyclonic circulations—one over these Islands and their vicinity, and the other over the Baltic region. Westerly and South-Westerly current strong to a gale over the Bay of Biscay and France, and fresh to strong breezes prevailing in some other parts of our area. Light breezes, mainly from between West and South, over the Mediterranean. Veering towards North-West or North later in the west and south of these Islands and increasing in force; blowing a gale at Roche's Point and Portland Bill. Gale continuing over the Bay of Biscay.

Barometer in morning above 30.3 ins. both in the south-west and east of our area; below 29.3 ins. in a depression over Denmark, and less than 29.1 ins. in a larger system having its minimum over the Irish Sea. Both disturbances moving eastward during day and undergoing very little modification in intensity. Pressure recovering very briskly in Ireland and Wales. Not much change occurring in the general distribution.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Feb. 20th, 10.25 a.m. to 11.0 a.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	279.5° 95% 180°, 12	279° 95% 180°, 12	277° 90% 180°, 18					Metres. 500	{ Overcast. Various types of high clouds. Very strong wind and rain followed.
2	Feb. 21st, 2.28 p.m. to 3.35 p.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	282.5° 100% 200°, 8	281.5° 100% 200°, 8	278.5° 100% 225°, 12	275° 80% 250°, 17			274.5° 60% 260°, 18	1,300	{ Overcast.
3	Feb. 24th, 12.0 p.m. to 1.10 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	282° 65% 245°, 17	281.5° 80% 240°, 17	278° 70% —, 13				275.5° 70% 260°, 19	750	{ Overcast. St.-Cu. to almost clear. Ascent quickly followed by heavy rain squall with gust of 23 m. per s.
4	Feb. 24th, 4.30 p.m. to 5.0 p.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	279° 100% 235°, 12	276° 100% 245°, 19	276° 100% 245°, 19				274.5° 100% 260°, 22	700	{ Overcast. Very rough gusty day with frequent squalls.
5	Feb. 25th, 11.5 a.m. to 11.45 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	279° 90% 225°, 9	278.5° 90% 225°, 12	277.5° 90% 235°, 17	274° 100% 255°, 20				1,000	{ Clouds at 650 m. Raining, rough, squally.
6	Feb. 26th, 9.53 a.m. to 11.5 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	279° 80% 225°, 8	278.5° 80% 235°, 12	276.5° 95% 250°, 17	27° ?% 270°, 18			273°? 70°? 270°, 18	1,300	{ Wind very variable. Chart did not turn properly.
7	Feb. 26th, 10.0 a.m. to 12.30 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	280° 100% 260°, 7	279° 100% 260°, 9	277° 90% 270°, 11	273° 80% 280°, 15			271° 70% 285°, 16	1,450	{ Cloudy St.-Cu. and Nb. Lowest clouds, 480 m.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7
No. of Kites ..	1	1	1	1	1	1	2
Area of Surface (metres) ..	5	4	5	4	4	6	12
Length of Wire (metres) ..	500	1,500	1,000	650	1,100	1,700	2,200

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 9.
Vol. XXVII. (New Series.)

NINTH WEEK, SUNDAY, FEBRUARY 27TH, TO SATURDAY, MARCH 5TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather. After some rain early in the week, the weather over Great Britain was mostly fine, the sky being nearly cloudless for some days in the south-eastern and southern counties of England. In Ireland a considerable portion of the period was overcast and more or less rainy. Thunder was heard at Dublin on the afternoon of Monday.

Temperature was above the normal, the excess ranging between 2° and 3° in almost every district. The highest of the maxima were registered either on March 2nd or 5th, and varied between 58° in Scotland E. and England N.W. and 54° in Scotland N. and W. The lowest of the minima, which occurred very early in the week, ranged from 14° in Scotland E. (at Balmoral on Monday) and 29° in England S.W. to 30° in England N.W., and to 37° in the English Channel. The lowest grass readings recorded were 12° at Balmoral, 18° at Cambridge, 20° at Buxton, Sheffield, Hereford and Llangammarch Wells, and between 22° and 25° at many other stations.

Mean Temperature of the Sea.—On nearly all parts of the coast the water was warmer than during the corresponding period of last year, the difference amounting to between 6° and 7° on the east and south-east coasts of England. The means for the week ranged from 49° at Plymouth, and 48° at Newquay, to 40° at most places on the north-east coast of Great Britain, and to 38° at Burnmouth.

Rainfall was less than the average in nearly all parts of Great Britain, but more in Scotland W. and England N.W. and also in Ireland. Over the eastern half of England, as well as at some south-western stations, the deficit was large. At Bettws-y-Coed on Tuesday the fall measured 1.05 inch.

Bright Sunshine was in excess of the normal in Great Britain, but less in Ireland. In several districts the excess was large, and in the east and north-east of England very large. The percentage of the possible duration ranged from 18 in Ireland S. and 24 in Ireland N. to 32 in Scotland E., 53 in the English Channel, 59 in England E., and 65 in England S.E. At Felixstowe the percentage of the possible duration was as high as 70, and at Eastbourne and Hastings, 73.

Barometer and Wind.—At the commencement of the week a depression lay over Denmark, while the barometer was relatively high over these islands and the Bay of Biscay region, a current of wind from the North-Westward consequently prevailing over this country generally. By Monday, however, pressure had decreased quickly over Iceland, the west and north-west of the United Kingdom, and the adjacent portion of the Atlantic, while it had risen very briskly over the Baltic, Denmark, and the east of England. This change in the distribution of pressure drew the wind into the Southward over this country, and caused it to increase in force. The passage of a secondary depression over England produced a S.W. to W. breeze over the southern counties on the following day, but with that exception the main wind current was between S. and S.E. over the Kingdom generally until the end of the week. On our south and south-east coasts, however, it drew into E. on Friday and Saturday. Strong breezes to high winds were very common for some days along the southern and western coasts, some exposed places in the west reporting a gale at times. By the end of the period the wind had fallen light, and was becoming more Southerly.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 76.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate
	Rainfall ...	Moderate	Moderate	Light	Moderate	Light	Moderate	Heavy	Moderate	Moderate	Heavy	Very heavy	Moderate
	Sunshine ...	Abundant	Moderate	Moderate	Very abundant	Abundant	Very abundant	Abundant	Abundant	Abundant	Moderate	Scanty	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 13 weeks from Dec. 5th, 1909.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3

PAST SEASONS.

WINTER, 1908-9. Nov. 29th-Mar. 6th. 14 weeks.	Warmth ...	3 * 2	3 * 2	2 * 7	4 * 6	2 * 6	4 * 6	3 * 2	4 * 6	4 * 6	6 * 1	4 * 2	5 * 5
		2 * 6	3 * 5	1 * 6	3 * 7	3 * 7	4 * 8	4 * 3	2 * 6	4 * 8	3 * 4	3 * 6	5 * 8
	Sunshine ...	6 * 2	5 * 3	3 * 3	4 * 6	4 * 6	5 * 4	4 * 2	8 * 1	6 * 2	4 * 5	2 * 4	6 * 3
SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
		3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	6 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

NINTH WEEK—February 27th to March 5th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
0. SCOTLAND, NORTH	54	26	46.6	34.6	40.4	+ 2.5	Day-deg. 13	Day-deg. + 7	Day-deg. 23	Day-deg. - 8	4	- 1	Inches. 0.78	Inches. - 0.13	26	+ 9	% 36	% +12
Eastern																		
1. SCOTLAND, EAST	58	14	45.9	33.3	39.4	+ 2.1	11	+ 4	32	- 9	3	- 1	0.47	- 0.04	23	+ 4	32	+ 5
2. ENGLAND, N.E.	56	27	46.6	34.7	40.4	+ 1.7	13	+ 3	27	- 6	2	- 2	0.14	- 0.21	26	+ 6	36	+ 8
3. ENGLAND, EAST	56	28	48.0	34.0	40.8	+ 2.0	17	+ 4	31	- 6	3	- 2	0.22	- 0.13	43	+ 22	59	+ 30
4. MIDLAND COUNTIES	57	27	49.4	33.1	41.0	+ 2.2	21	+ 7	35	- 1	2	- 2	0.11	- 0.31	35	+ 17	43	+ 23
5. ENGLAND, S.E.	57	29	48.8	36.2	42.3	+ 2.3	26	+ 11	16	- 13	3	- 1	0.19	- 0.27	48	+ 27	65	+ 36
Western																		
6. SCOTLAND, WEST	54	27	48.4	35.9	42.0	+ 2.9	18	+ 9	17	- 13	4	0	1.14	+ 0.32	25	+ 7	34	+ 10
7. ENGLAND, N.W.	58	30	48.8	36.4	42.4	+ 2.9	26	+ 15	16	- 13	4	+ 1	0.66	+ 0.11	34	+ 14	46	+ 20
8. ENGLAND, S.W.	55	24	49.5	38.2	43.7	+ 2.7	28	+ 11	11	- 13	4	+ 1	0.49	- 0.30	35	+ 13	47	+ 13
9. IRELAND, NORTH	55	29	48.7	37.8	43.1	+ 2.6	25	+ 10	12	- 13	5	0	1.05	+ 0.43	17	- 1	24	- 2
10. IRELAND, SOUTH	56	29	50.0	40.4	45.0	+ 2.3	23	+ 7	4	- 15	5	+ 1	1.70	+ 0.96	13	- 9	13	- 12
11. ENGLISH CHANNEL	55	37	51.2	41.5	46.2	+ 2.4	32	+ 9	1	- 8	3	- 1	0.41	- 0.20	40	+ 13	53	+ 13
THE SEASON (Winter).—Aggregates, &c., for the Period of 13 Weeks, December 5th, 1909 to March 5th, 1910.																		
0. SCOTLAND, NORTH	55	2	*	*	*	*	61	- 33	589	+ 137	74	+ 7	16.32	+ 0.06	146	+ 41	21	+ 6
Eastern																		
1. SCOTLAND, EAST	58	-10	*	*	*	*	73	- 25	609	+ 76	59	+ 7	8.55	+ 0.92	195	+ 43	28	+ 6
2. ENGLAND, N.E.	56	6	*	*	*	*	113	- 2	429	+ 3	59	+ 12	7.47	+ 2.06	194	+ 34	26	+ 5
3. ENGLAND, EAST	57	17	*	*	*	*	151	+ 22	361	- 121	59	+ 9	7.14	+ 2.03	233	+ 54	30	+ 7
4. MIDLAND COUNTIES	57	8	*	*	*	*	143	- 3	426	- 57	61	+ 13	8.54	+ 2.24	208	+ 56	27	+ 7
5. ENGLAND, S.E.	57	13	*	*	*	*	184	+ 3	292	- 68	62	+ 14	9.25	+ 2.49	236	+ 62	30	+ 8
Western																		
6. SCOTLAND, WEST	57	0	*	*	*	*	118	- 19	427	+ 69	63	+ 4	16.46	+ 2.77	164	+ 31	22	+ 4
7. ENGLAND, N.W.	58	7	*	*	*	*	147	+ 4	328	- 22	70	+ 17	13.48	+ 4.80	196	+ 55	26	+ 7
8. ENGLAND, S.W.	55	8	*	*	*	*	211	- 20	233	- 36	69	+ 15	14.47	+ 3.40	212	+ 36	27	+ 5
9. IRELAND, NORTH	57	7	*	*	*	*	179	- 1	337	+ 33	74	+ 12	12.60	+ 2.64	167	+ 15	22	+ 2
10. IRELAND, SOUTH	59	8	*	*	*	*	241	- 36	266	+ 35	74	+ 17	14.03	+ 2.36	192	+ 14	25	+ 2
11. ENGLISH CHANNEL	56	28	*	*	*	*	335	- 13	67	- 31	72	+ 11	11.21	+ 1.80	228	+ 8	23	+ 1
THE YEAR.—Aggregates, &c., for the Period of 9 Weeks, January 2nd to March 5th, 1910.																		
0. SCOTLAND, NORTH	55	2	*	*	*	*	48	- 12	387	+ 57	52	+ 6	11.70	+ 0.74	121	+ 33	24	+ 7
Eastern																		
1. SCOTLAND, EAST	58	-10	*	*	*	*	58	- 10	409	+ 32	43	+ 8	6.04	+ 1.05	153	+ 29	29	+ 6
2. ENGLAND, N.E.	56	6	*	*	*	*	84	+ 4	301	0	41	+ 8	4.42	+ 1.03	157	+ 31	29	+ 6
3. ENGLAND, EAST	57	17	*	*	*	*	120	+ 30	249	- 90	40	+ 6	4.35	+ 0.98	183	+ 46	33	+ 8
4. MIDLAND COUNTIES	57	10	*	*	*	*	107	+ 3	289	- 47	42	+ 9	5.27	+ 1.09	169	+ 49	30	+ 9
5. ENGLAND, S.E.	57	13	*	*	*	*	139	+ 21	178	- 81	43	+ 11	6.18	+ 1.73	185	+ 51	33	+ 9
Western																		
6. SCOTLAND, WEST	57	0	*	*	*	*	87	- 2	291	+ 29	47	+ 7	11.32	+ 2.47	130	+ 24	24	+ 4
7. ENGLAND, N.W.	58	7	*	*	*	*	113	+ 19	219	- 32	50	+ 14	8.89	+ 3.22	157	+ 44	29	+ 3
8. ENGLAND, S.W.	55	8	*	*	*	*	160	+ 9	143	- 56	49	+ 13	9.83	+ 2.88	166	+ 30	29	+ 5
9. IRELAND, NORTH	55	7	*	*	*	*	131	+ 6	233	+ 16	53	+ 11	9.72	+ 3.19	134	+ 16	25	+ 3
10. IRELAND, SOUTH	59	18	*	*	*	*	184	- 2	172	+ 7	54	+ 13	10.70	+ 3.15	149	+ 13	27	+ 2
11. ENGLISH CHANNEL	55	28	*	*	*	*	233	+ 14	33	- 46	50	+ 9	8.54	+ 2.63	188	+ 20	32	+ 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day of reading in all cases. The minimum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading.

Information for Stations marked *st* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.		NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.						Rainfall.			Bright Sunshine.				NAMES OF STATIONS.		
				Date.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.		Difference from Average.	
						Of Highest each day.	Of Lowest each day.	For whole of each day.											
0. SCOTLAND, N.	a, Islands.	p Balta Sound ..	48	3rd	55	27th	44.4	38.8	41.5	—	7	12	4	0.60	—	17.8	—	Balta Sound.	
		a Sunburgh Head ..	47	2nd	28	28th	43.1	32.4	37.6	—	3	33	3	0.37	—	21.1	—	Deerness.	
		a Stornoway ..	49	4th	30	27th, 28th	46.4	36.1	41.1	+ 2.0	12	23	5	1.05	+ 0.06	20.8	+ 2.2	Stornoway.	
	b, Main-land.	a Castlebay, Barra Isd.	48	2nd	35	27th, 28th	46.3	38.4	42.2	+ 0.6	17	10	5	0.85	—	11.4	—	Castlebay.	
		a Wick ..	54	2nd	27	27th	45.4	33.3	39.2	+ 1.0	10	32	2	0.27	—	25.5	—		
		p Strathpeffer ..	52	2nd	28	1st	47.4	34.7	40.9	+ 3.1	15	28	3	0.09	—	33.3	+ 15.6	Strathpeffer.	
1. SCOTLAND, E.	a, Islands.	p Glencarron ..	54	4th	26	27th	48.6	35.5	41.9	+ 4.8	18	26	4	1.03	—	27.4	—		
		p Fort Augustus ..	50	5th	30	27th, 1st	46.9	35.3	40.9	+ 2.6	14	25	4	0.68	—	27.4	+ 13.9	Fort Augustus.	
		p Fort William ..	53	4th	28	27th	48.5	34.9	41.5	+ 2.1	18	28	5	1.96	+ 0.29	—	—		
	b, Main-land.	p Gordon Castle ..	58	2nd	28	27th	47.3	34.9	40.9	+ 2.0	15	27	1	0.11	—	40.7	—	Gordon Castle.	
		a Nairn ..	55	2nd	21	27th	49.3	31.1	39.9	+ 1.6	20	41	1	0.02	—	40.8	—	Nairn.	
		a Aberdeen ..	49	2nd	29	27th	43.7	34.7	39.1	+ 0.4	5	26	3	0.42	—	16.3	—	Aberdeen.	
2. ENGLAND, N.E.	a, North.	a Balmoral ..	48	2nd	14	28th	45.1	29.6	37.1	+ 2.6	9	44	3	0.58	—	—	—	Crathes S.	
		p Crieff ..	48	2nd, 3rd	28	1st	44.2	34.3	39.1	+ 0.4	6	27	4	1.70	+ 0.93	20.7	—	Balruidry.	
		a Leith ..	53	2nd	34	27th	48.0	36.9	41.8	+ 1.9	17	24	4	0.18	—	25.4	+ 8.4	Edinburgh.	
	b, South.	a West Linton ..	53	2nd, 5th	28	28th, 1st	44.1	32.2	38.0	+ 1.0	6	35	4	0.44	—	23.3	—	West Linton.	
		p Marchmont ..	51	3rd	29	28th, 1st	45.0	33.4	39.0	+ 1.3	8	31	4	0.31	—	19.1	—	Marchmont.	
		a Alnwick Castle ..	52	2nd	27	28th	44.7	33.7	39.0	+ 0.2	8	30	3	0.16	—	15.0	—	Cockle Park.	
3. ENGLAND, E.	a, North.	a Shields ..	51	2nd	30	28th	44.7	34.1	39.2	+ 0.4	8	28	1	0.06	—	10.2	—	Newcastle.	
		p Durham ..	50	2nd	28	28th	45.2	34.2	39.5	+ 1.1	9	28	2	0.10	—	18.8	—	Durham.	
		p Rounton ..	53	5th	29	28th, 1st	47.2	34.0	40.4	+ 2.2	15	30	2	0.10	—	28.8	—		
	b, South.	p Scarborough ..	51	2nd, 3rd	34	28th, 1st	47.4	36.3	41.7	+ 1.8	15	23	4	0.23	—	25.4	—	Scarborough.	
		p York ..	54	5th	32	28th	48.0	35.4	41.5	+ 2.0	17	26	2	0.17	—	16.8	—	York.	
		a Spurn Head ..	48	2nd	34	27th	44.9	36.7	40.2	+ 0.6	6	19	2	0.14	—	41.5	—		
4. MIDLAND COUNTIES.	a, North.	a Lincoln ..	56	5th	30	1st	49.6	34.6	41.9	+ 2.5	21	30	2	0.12	—	39.5	—	Skegness.	
		a Fulbeck ..	55	5th	31	28th	48.4	33.2	40.6	+ 0.9	18	34	3	0.16	—	43.6	—	Raunceby.	
		p Cromer ..	53	2nd, 5th	29	28th	48.2	34.5	41.2	+ 2.7	17	30	4	0.18	—	41.0	—	Lowestoft.	
	b, South.	p Hillington ..	55	5th	29	28th	48.7	30.5	39.3	+ 0.2	19	43	2	0.29	—	38.2	+ 10.9	Cromer.	
		a Yarmouth ..	49	2nd	32	28th	45.0	35.7	40.2	+ 1.4	8	23	2	0.42	+ 0.08	44.8	—	Hillington.	
		a Norwich ..	54	5th	28	28th	48.6	33.7	40.9	+ 1.9	18	32	4	0.33	—	—	—	Yarmouth.	
5. ENGLAND, S.E.	a, North.	p Geldeston ..	52	2nd, 5th	29	28th	48.2	34.2	41.0	+ 1.4	17	30	4	0.26	—	42.9	+ 20.4	Geldeston.	
		p Cambridge ..	56	5th	28	28th	49.7	33.1	41.2	+ 1.4	22	35	1	0.06	—	43.1	+ 20.6	Cambridge.	
		a Felixstowe ..	47	2nd, 5th	31	28th	45.7	37.0	40.7	+ 1.0	8	18	2	0.16	—	51.6	—	Felixstowe.	
	b, South.	a Clacton-on-Sea ..	48	1st, 5th	31	3rd	46.0	35.6	40.7	+ 1.2	11	25	1	0.14	—	48.7	—	Clacton.	
		a Rothamsted ..	55	5th	28	28th	48.7	32.9	40.6	+ 1.6	19	35	5	0.18	—	49.0	+ 23.0	Rothamsted.	
		a Shepperton ..	50	2nd	32	28th	46.9	35.7	41.1	+ 0.7	14	24	3	0.20	—	43.7	—	Shepperton.	
6. ISLE OF MAN	a, East.	p Tottenham ..	56	5th	33	28th	49.0	35.7	42.2	+ 2.0	28	18	3	0.13	—	39.6	—	Tottenham.	
		a Harrogate ..	50	3rd, 5th	31	27, 28, 1st	45.9	33.5	39.5	+ 1.5	11	31	2	0.07	—	28.2	—	Harrogate.	
		a Bawtry ..	55	4th, 5th	27	4th	50.3	31.7	40.7	+ 1.1	23	40	2	0.05	—	31.6	+ 13.8	Workop.	
	b, West.	p Euxton ..	49	3rd, 5th	25	25th	45.4	32.7	38.9	+ 3.5	10	34	3	0.23	—	34.9	—	Euxton.	
		a Nottingham ..	55	5th	28	28th	49.4	32.9	40.9	+ 1.5	21	35	3	0.09	—	35.3	—	Nottingham.	
		p Birmingham ..	55	5th	32	1st	50.0	31.2	40.3	+ 0.9	22	41	2	0.03	—	36.4	—	Birmingham.	
7. ENGLAND, S.W.	a, East.	a Raunds ..	57	5th	29	28th	50.4	33.1	41.5	+ 1.2	24	35	3	0.07	—	43.8	+ 23.4	Oxford.	
		a Oxford ..	57	5th	30	4th	46.9	32.5	39.5	+ 1.1	14	35	2	0.16	—	34.8	—	Sheffield.	
		a Cheadle ..	56	5th	29	1st	50.3	34.7	42.3	+ 1.8	33	20	2	0.06	—	—	—		
	b, West.	p Shrewsbury ..	56	5th	31	1st	50.7	33.9	42.1	+ 1.9	35	23	3	0.18	—	—	—		
		a Hereford ..	55	5th	29	5th	48.9	31.9	40.2	+ 1.2	19	39	2	0.07	—	36.7	+ 15.1	Cirencester.	
		a Cirencester ..	55	5th	28	1st	51.4	34.0	42.4	+ 1.7	36	22	4	0.18	—	45.2	—	Bath.	
8. ENGLAND, S.W.	a, East.	a Bath ..	56	5th	30	1st	49.6	35.0	42.1	+ 1.7	30	20	3	0.16	—	43.3	+ 25.4	Ramsgate.	
		p Kew ..	57	5th	32	28th	49.1	33.8	41.2	+ 2.0	20	32	2	0.23	—	40.5	+ 22.1	Kew.	
		a Marlborough ..	52	5th	30	28th, 1st	47.6	37.4	42.4	+ 2.1	22	13	1	0.13	—	48.3	+ 20.6	Marlborough.	
	b, West.	a Margate ..	56	5th	32	28th	48.9	34.3	41.4	+ 0.7	19	30	3	0.13	—	48.9	—	Margate.	
		a Wisley, Surrey ..	56	5th	29	28th	49.3	33.6	41.2	+ 2.0	20	33	5	0.36	—	51.3	—	Wisley.	
		a Swaraton ..	56	5th	31	1st	48.2	33.7	40.7	+ 1.2	17	32	3	0.28	—	47.2	+ 26.2	Worthing.	
9. IRELAND, N.	a, North.	a Tunbridge Wells ..	55	5th	31	1st	48.1	36.7	42.2	+ 1.9	24	15	2	0.21	—	50.3	—	Tunbridge Wells.	
		a Dungeness ..	52	5th	32	28th	47.7	38.9	43.2	+ 2.6	21	9	2	0.09	—	54.6	+ 30.1	Littlestone.	
		p Hastings ..	53	5th	34	1st	50.0	37.9	43.8	+ 1.6	30	11	4	0.25	—	47.0	+ 24.0	Hastings.	
	b, South.	p Southampton ..	51	2nd	35	27th, 1st	49.5	40.3	44.8	+ 2.5	27	5	3	0.08	—	50.4	+ 25.4	Southampton.	
		a Ventnor ..	51	2nd	35	27th	49.5	40.3	44.8	+ 2.5	27	5	3	0.08	—	54.4	+ 31.0	Ventnor.	
		a Eastbourne ..	57	5th	33	28, 1, 2nd	49.9	35.9	42.7	+ 2.2	31	17	3	0.15	—	38.4	+ 27.0	Eastbourne.	
10. IRELAND, S.	a, East.	a Westminster ..	57	5th	30	28th	49.9	35.9	42.7	+ 2.2	31	17	3	0.15	—	44.7	+ 27.2	Westminster.	
		a Greenwich ..	57	5th	30	28th	49.9	35.9	42.7	+ 2.2	31	17	3	0.15	—	44.7	+ 27.2	Greenwich.	
		a Landale ..	52	2nd	28	27th	48.1	34.7	41.2	+ 2.0	17	28	4	1.12	+ 0.26	—	—		
	b, West.	a Pottaloch ..	51	2nd	32	27th	47.7	37.0	42.2	+ 2.9	22	14	4	1.11	+ 0.49	20.1	+ 6.1	Glasgow.	
		p Glasgow ..	54	5th	32	27th	48.9	37.0	42.8	+ 2.7	27	14	4	1.43	+ 0.61	—	—		

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	38.3	—	Harrogate	4	26	37.7	39.1	6. Dumfries	5	24	37.3	39.1
1. Aberdeen	—	—	—	38.4	Huddersfield	4	24	37.1	39.4	Douglas	2	28	—	—
Crathes	3	25	35.8	36.5	Buxton	7	20	36.8	40.5	Aspatia	5	22	—	—
Balmoral	4	12	—	—	Sheffield	5	20	37.5	40.2	Newton Rigg	5	24	38.1	39.2
West Linton	5	21	—	—	Nottingham	3	22	37.5	39.1	Burnley	4	26	37.4	40.0
Marchmont	4	24	36.6	—	Birmingham	3	28	39.3	42.7	Southport	4	23	37.8	39.0
Cockle Park	4	25	36.1	38.1	Oxford	6	24	—	—	Manchester City	0	32	38.4	41.7
Durham	4	24	—	—	Hereford	7	20	—	—	Bettws-y-Coed	2	27	39.4	42.0
York	—	—	37.6	40.1	Cirencester	4	24	40.0	42.0	Llangammarch Wells	5	20	40.4	43.4
Hull	4	25	38.1	41.0	Bath	—	—	41.6	43.1	Cardiff	3	28	41.2	43.1
Lincoln	—	—	36.9	39.5	Margate	1	29	40.9	42.3	Clifton	4	29	—	—
Raunceby	7	24	39.1	41.9	Greenwich	7	23	—	—	Plymouth	1	28	44.5	—
Norwich	4	24	—	—	Westminster	7	25	—	—	9. Armagh	2	25	40.3	42.0
Yarmouth	—	—	38.9	42.0	Kew	7	22	39.9	42.6	Markree	1	23	41.9	43.0
Lowestoft	3	27	38.8	40.9	Canterbury	7	26	40.2	40.4	10. Dublin, Trin. Coll. ..	2	27	41.7	43.3
Cambridge	7	18	38.9	42.0	Tunbridge Wells	7	25	38.7	—	11. Guernsey, Brooklyn	0	32	43.9	45.3
Clacton-on-Sea	3	22	41.5	43.8	Wisley	6	25	39.6	42.8					
Southend	5	27	40.9	—	Worthing	3	27	41.3	43.7					
Tottenham	5	25	—	42.9	Portsmouth	2	26	42.0	44.8					
					6. Glasgow	2	24	—	—					
					Rothsay	—	—	—	40.6					
					Colmonell	2	28	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	42	42	42.0	SCOTLAND, W.	Lamlash	44	43	43.1
	Kirkwall	41	39	40.1		Ballantrae	43	41	42.1
	Wick	42	42	42.0	ENGLAND, N.W.	Port Erin	45	44	44.3
SCOTLAND, E.	Cromarty	41	39	40.2		Newquay	43	48	48.0
	Pennan Bay	41	39	40.1		Plymouth†	49	48	48.6
ENGLAND, N.E.	Aberdeen, Cove Bay ..	41	40	40.4	ENGLAND, S.W.	Salcombe	47	45	46.0
	Burnmouth, Berwick ..	39	37	38.2		Sheephaven	45	43	44.1
	Scarborough	44	38	40.4	IRELAND, N.W.	Teelin	44	43	43.4
ENGLAND, E.	Shipwash Lightship ..	44	42	43.3		Cleggan	45	40	43.0
	Margate†	43	42	43.0		Seafeld	47	44	45.5
ENGLAND, S.E.	Eastbourne†	44	43	43.8	IRELAND, E.				

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: $\rightarrow$ = blue sky; $\rightarrow$ = detached cloud; $\rightarrow$ = overcast; $\rightarrow$ = misty (hazy); $\rightarrow$ = foggy; $\rightarrow$ = squally; $\rightarrow$ = rain; $\rightarrow$ = hail; $\rightarrow$ = snow; $\rightarrow$ = lightning; $\rightarrow$ = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 3.36 a.m. in Portugal; and at 8 a.m. in Spain.

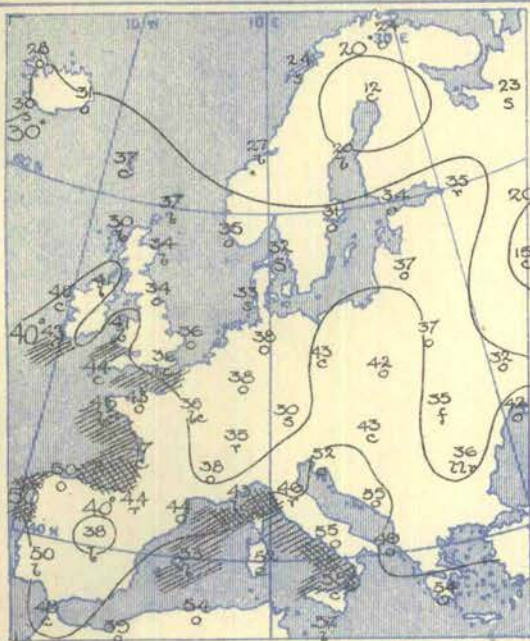
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 27th February, 1910.

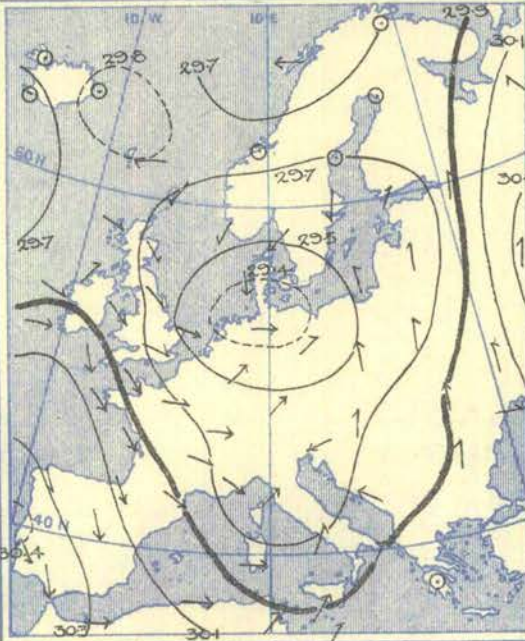
Temperature and Weather.

7 a.m.

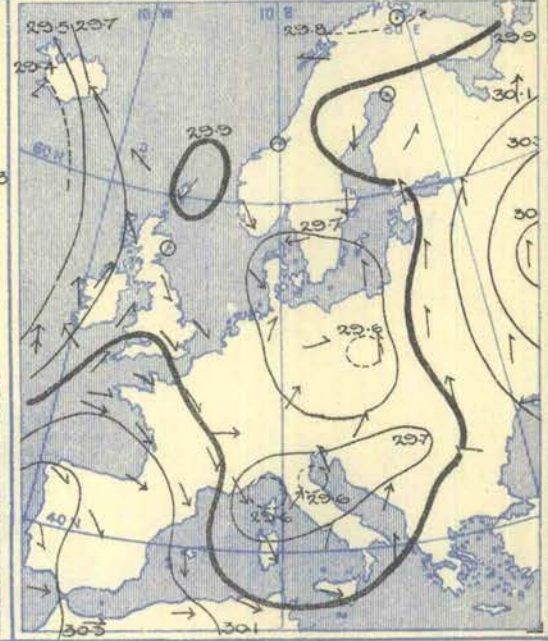


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to very fine and bright over nearly the whole of the United Kingdom and the Spanish Peninsula, and also in the north and north-west of France; cloudy or overcast in most other regions, with rain in places over a wide area in the south, and snow at some northern stations. Some rain falling during the ensuing twenty-four hours over the greater portion of these Islands and at many stations over the western half of the Continent.

Temperature changed rather irregularly; fallen in England, France, and central Europe. Morning readings ranging from above 55° at several stations in the far south to below 40° over the major portion of the Continent, and at nearly all places in these Islands, and to below 20° in central Russia. Maxima during day below 45° in many parts of England and Scotland, above 50° in Austria-Hungary and in many parts of France, and above 60° in several localities in the Mediterranean region. Slight frost at night in some parts of Great Britain.

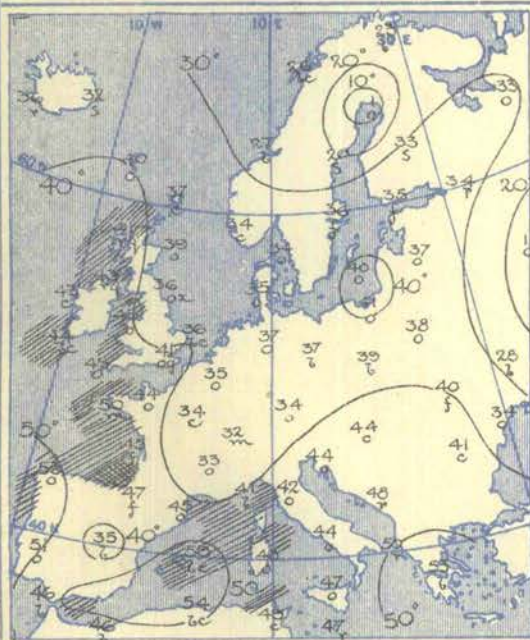
Wind in morning showing anticyclonic breezes of little strength in the south-west and east of our area, and two distinct cyclonic circulations over the intervening regions. Strong breezes to high winds from various directions prevailing over the Mediterranean and Italy; Northerly current blowing a gale at Bilbao and Palma. Continuing strong to a gale all day over the Mediterranean. Backing to the Southward over the west and north of these Islands by evening and increasing somewhat in force.

Barometer in morning above 30.4 ins. in Portugal and also in central Russia; below 29.4 ins. in a depression centred over Lombardy and the adjacent region, and in another system over Denmark and Schleswig-Holstein. Both disturbances becoming less deep during day and undergoing considerable modification in form. A brisk decrease of pressure setting in over Ireland and also in Iceland.

Monday, 28th February, 1910.

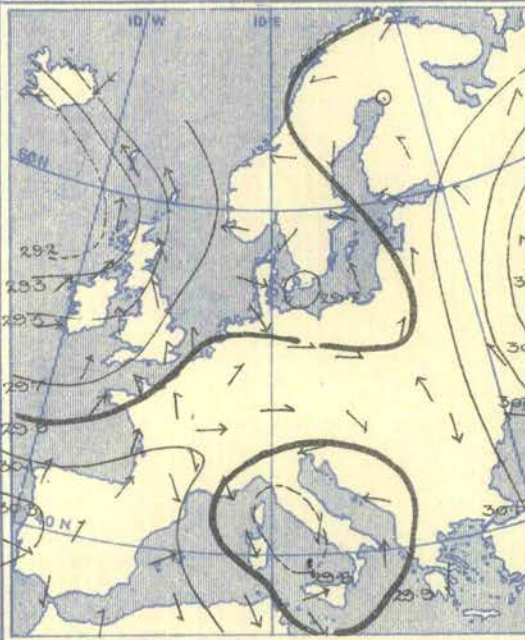
Temperature and Weather.

7 a.m.

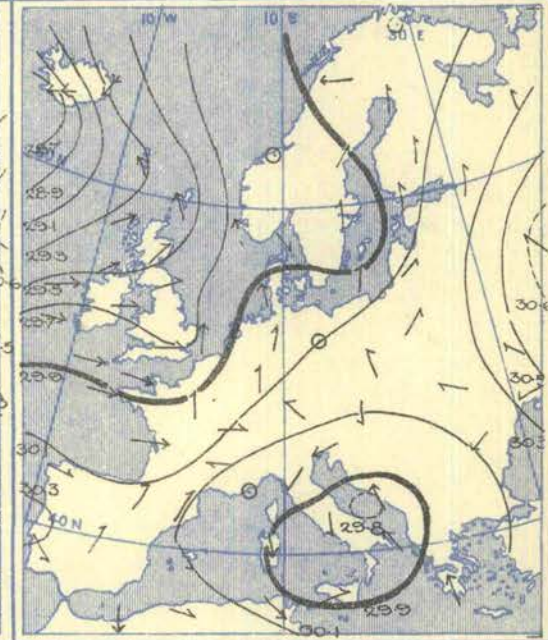


Barometer and Wind.

7 a.m.



6 p.m.



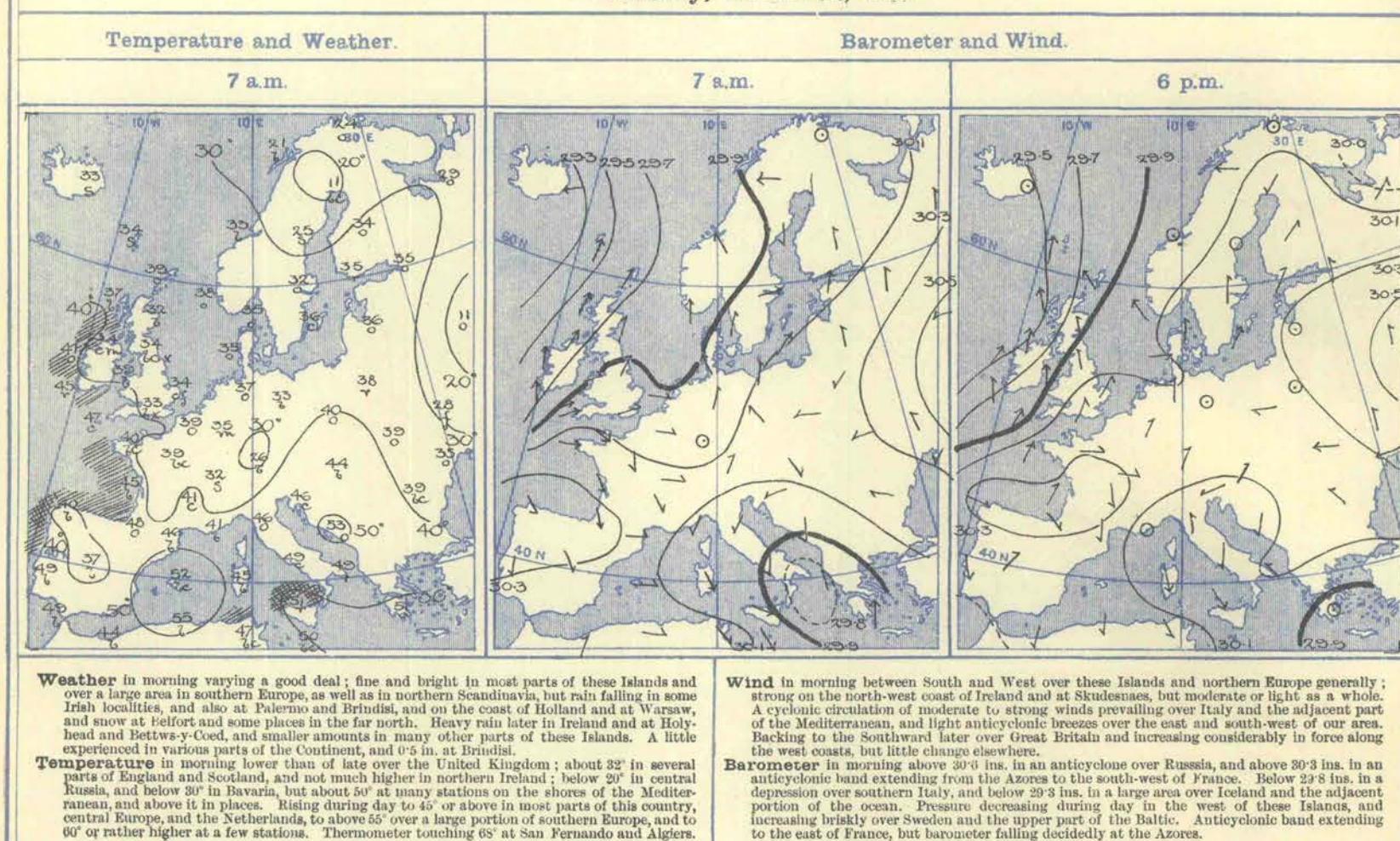
Weather in morning unsettled, with much cloud and rain in places, over the major portion of our area, and some snow in the northern regions. Fine and bright in Algeria and the south of Spain, and also on the north-west coast of Norway. Rain falling generally later over these Islands and the nearer countries of the Continent, rain or snow in Sweden and Finland, and heavy rain on the shores of the Adriatic; amount more than 1.5 in. at Brindisi.

Temperature risen in the United Kingdom, fallen in France, central Europe, and Italy. Morning readings below 20° over a considerable area in Russia and Sweden, and below 40° over the greater part of the Continent and at most of our own stations; 50° at Brest, and a few degrees above 50° at some places in the extreme south. Rising during day to about 60° at several stations in the Mediterranean region and at Hermanstadt, but remaining below 50° over most of central Europe, the east of France, and in nearly all parts of these Islands. Slight frost at night in central England and the east of Scotland.

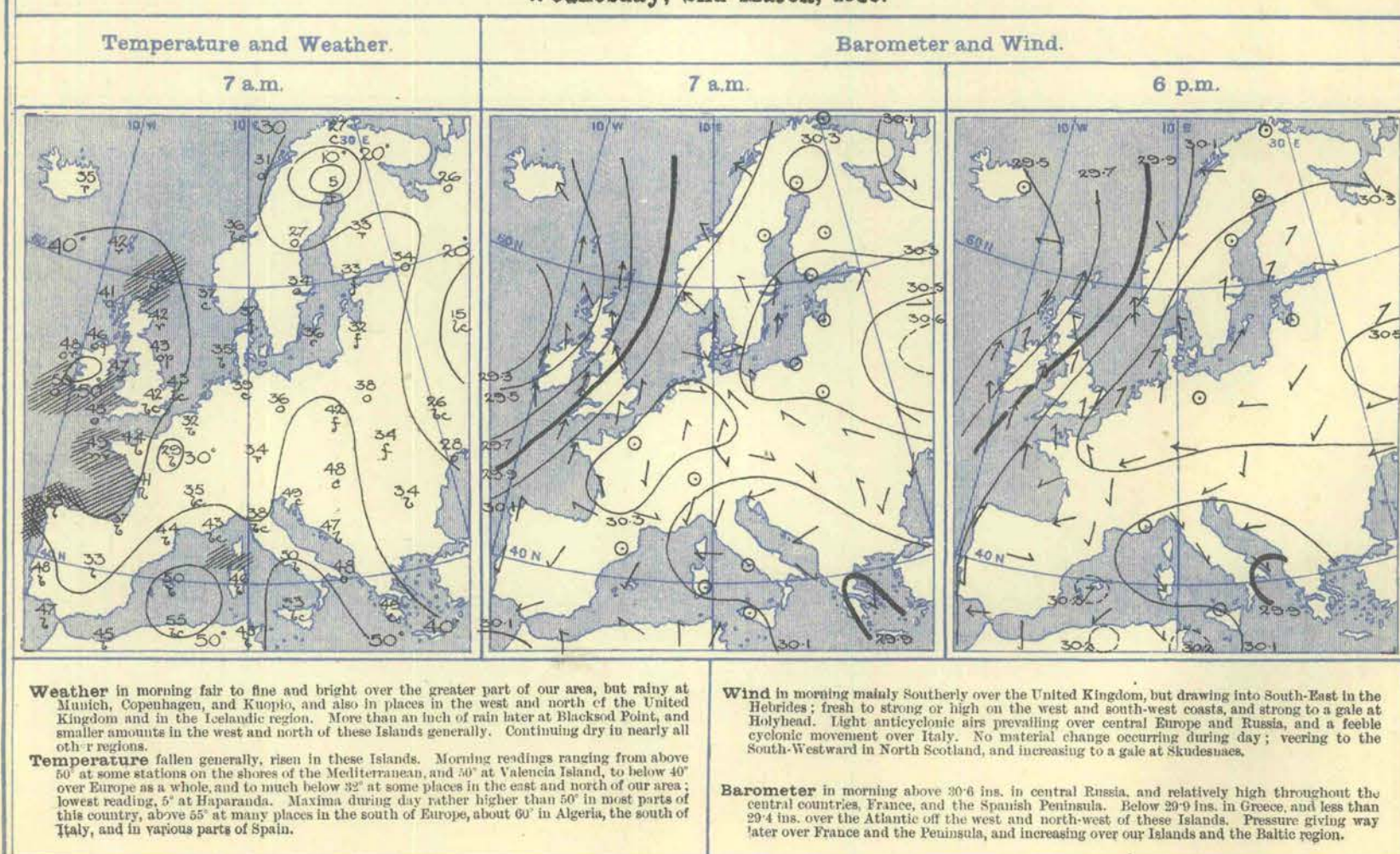
Wind in morning moderate to fresh or strong from the Southward over Great Britain, from the Westward in Ireland, and strong to a whole gale from the Eastward in Iceland. A cyclonic circulation of light to fresh winds prevailing over Italy and the surrounding regions, and cyclonic breezes both in the east and south-west of our area. Veering towards West in the west and south of England later, but increasing to a high wind from South at Dungeness. A high wind from North-West springing up at Cape de Garde.

Barometer in morning ranging from above 30.6 ins. in central Russia, and above 30.2 ins. in Spain and Portugal, to below 29.8 ins. in a depression centred between Italy and Sardinia, and to below 29.2 ins. in a large area off the north-west of these Islands. Relatively low in a small disturbance over Denmark. Pressure decreasing quickly during day in the west of Ireland, but increasing over Ireland and the west of Scotland. A small secondary travelling eastward across England, reaching the neighbourhood of London by 6 p.m. Danish and Italian depressions moving eastward.

Tuesday, 1st March, 1910.



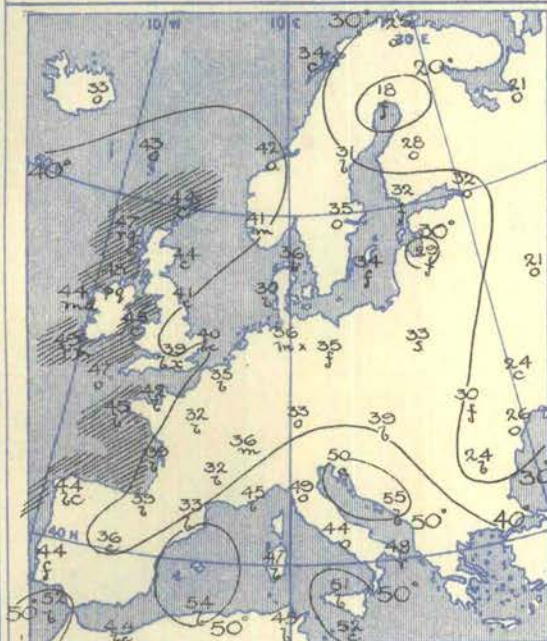
Wednesday, 2nd March, 1910.



Thursday, 3rd March, 1910.

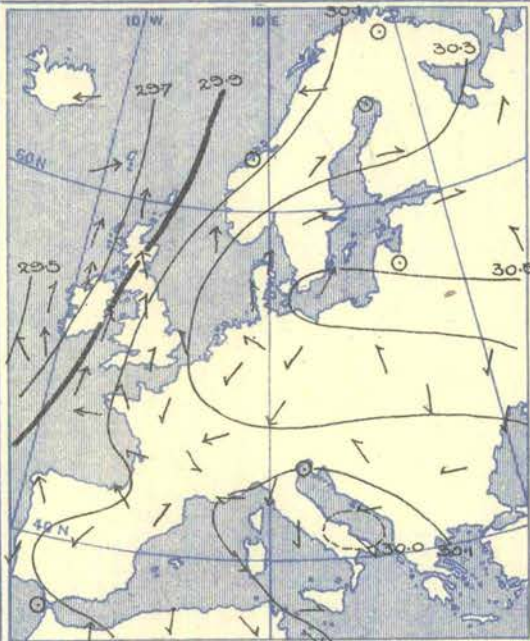
Temperature and Weather.

7 a.m.

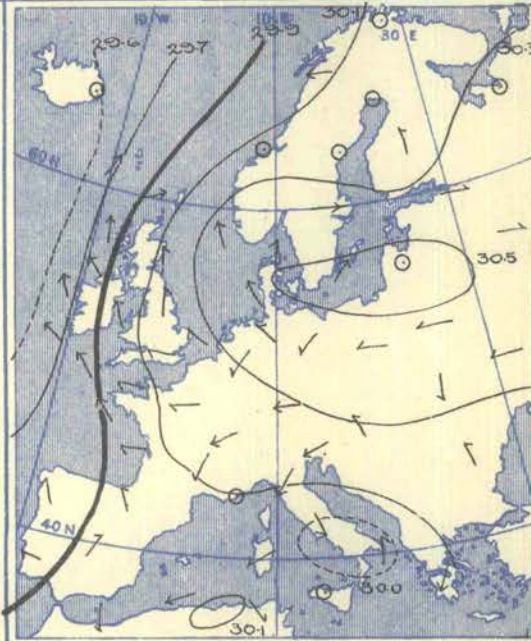


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over England, France, and a large area over the Mediterranean region, but cloudy or dull in most other districts, with some rain at our most western and north-western stations and snow at Cracow and Warsaw. Rainy also at Brindisi. Some rain later in the west of Ireland and the Hebrides, and also at Turin and on some shores of the Mediterranean, but very fine generally.

Temperature changed rather irregularly; fallen over England, risen in Scotland and Scandinavia. Morning readings below 30° over a large area in the north and east of Europe, and below 20° at Kharkoff and in the north of Sweden. Above 45° in the extreme west and south-west of these Islands, and above 50° at a few places in the Mediterranean region. Maxima about 50° in many parts of the United Kingdom during day, about 55° over a large area in the south of Europe, and nearly as high in the west of Norway. Thermometer rising to above 60° at Biarritz and some other southern stations, and to 70° at San Fernando. Slight frost at night in the Midlands.

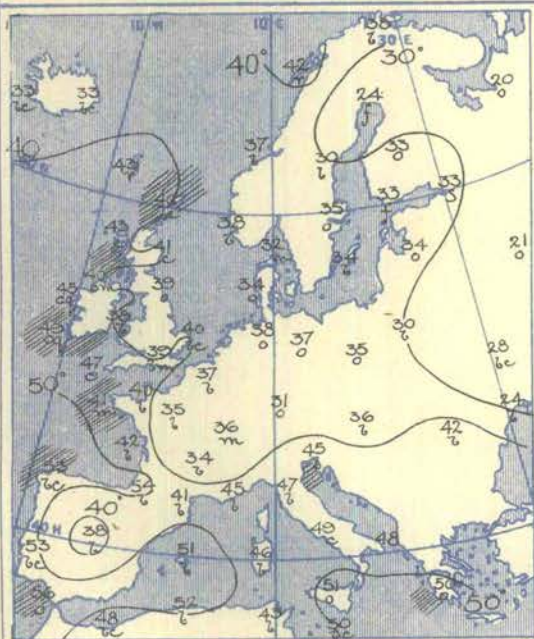
Wind in morning South-Easterly over the Bay of Biscay, and Southerly throughout the United Kingdom, strong to high in the west and north-west, light or moderate in the east. A very extensive anticyclonic circulation shown over all the eastern and central countries, and a slight cyclonic movement over Italy. Backing to East and South-East later in the south-east and south of England, and increasing in force. No important change elsewhere.

Barometer in morning ranging from 30.3 ins. to above 30.5 ins. in a large area of high pressure covering a considerable portion of the Continent. Below 30.0 ins. in a shallow depression over the Adriatic, and below 29.6 ins. in a vast area of low pressure on the Atlantic beyond these Islands. Pressure giving way during day over the Bay of Biscay region, France, and the south of these Islands, and increasing in Scotland and Norway. Very little modification occurring in the general distribution.

Friday, 4th March, 1910.

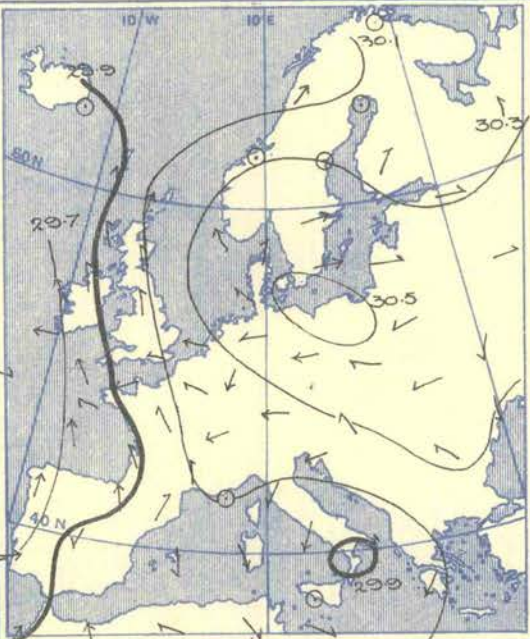
Temperature and Weather.

7 a.m.



Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to very fine generally, but cloudy to overcast in Ireland and in the far north of Europe, as well as in the south of Italy; rain falling at Brindisi and Bodö, and snow at St. Petersburg. Rain experienced later in the west of Ireland, at Nemours, and in Portugal, but conditions continuing very dry elsewhere.

Temperature fallen over the United Kingdom, risen in many other regions. Morning readings above 50° at several places in the south-west of our area, and very little lower in the west of Ireland; below 40° over Europe as a whole, and below 30° in some central districts and over a large area in the north and east. Maxima during day slightly higher than 50° at many stations in the south and west of these Islands, and as high as 57° at Bettws-y-Coed; above 55° over a large portion of France and Italy, and above 60° in places. Highest readings, 66° at Biarritz and Tunis. Thermometer rising no higher than 50° at Athens.

Wind in morning showing a vast anticyclonic circulation affecting nearly the whole of the Continent, and a small cyclonic movement over the Mediterranean. Southerly to South-Easterly current prevailing over these Islands, moderate to fresh or strong in force. Little change later as a whole, but a strong North-Westerly breeze setting in on the coast of Portugal.

Barometer in morning ranging from above 30.5 ins. in an anticyclone centred over the Baltic and Poland to below 29.9 ins. in a depression over the south of Italy, and to below 29.7 ins. in a large area on the Atlantic. No change taking place during day in the general distribution of pressure, but barometer falling over France and the south and west of these Islands, and beginning to rise again in Portugal.

Saturday, 5th March, 1910.

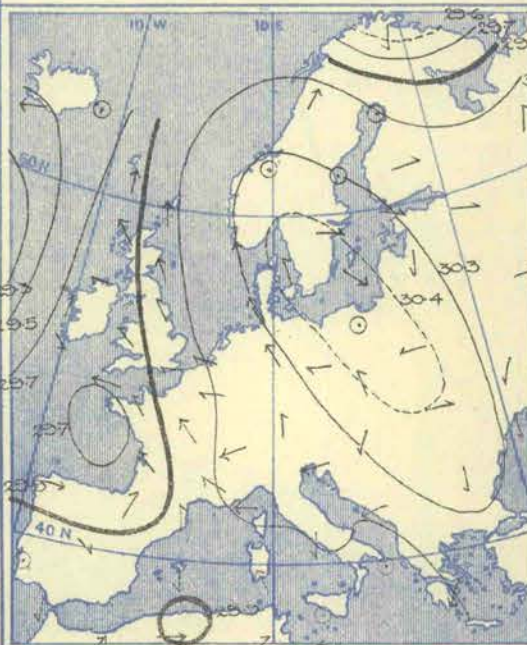
Temperature and Weather.

7 a.m.



Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast in Ireland and Scotland and also in a few Continental regions, with snow at St. Petersburg, rain at San Fernando and Nemours, and fog or mist in some other localities, but fair to very fine as a whole. Some rain later in a few parts of these Islands and the Spanish Peninsula, as well as at Cette, Perpignan, and in Algeria, but continuing fine and dry generally.

Temperature fallen in most regions risen in Algeria and France. Morning readings ranging from 55° at Oran and Algiers and above 50° at some other southern stations to below 40° generally, to below 32° over a large portion of the Continent, and to 10° at Kharkoff. Rising later to 55° or above at several of our own western and southern stations and in many parts of France, Italy, and the Spanish Peninsula, but remaining below 50° at Athens and over the major portion of central Europe, and only touching 50° at Nice.

Wind In morning high from the Westward at Corunna, and light to fresh or strong from between East and South-East over nearly the whole of France and the United Kingdom. An extensive anticyclonic circulation prevailing over the central countries, and a cyclonic movement of light to fresh breezes over the western half of the Mediterranean. Wind becoming slightly more Southerly in these Islands and France by evening and decreasing in force. Little other change.

Barometer in morning ranging from above 30.4 ins. in a high pressure system having its maximum over the Baltic to below 29.9 ins. in a depression near Algiers, and to below 29.7 ins. in a larger system over the Bay of Biscay and in another disturbance in the far north of our area. Pressure increasing decidedly over France and the Bay later, and depression in that region moving away in a north-westerly direction. Barometer changing very little and rather irregularly in these Islands.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90° = E, 180° = S, 270° = W, and 360° = N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.	
						300 (1,940 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)			
1	1910. Feb. 27th, 10.0 a.m. to 12.15 p.m.	Brighton, 115 m.	{	Temperature Humidity .. Wind	277.5° 75% 320°, 9	276° 75% 340°, 14	273° 85% 340°, 18	271° 60% 250°, 18	269°? 55.2% 200°, 20		Metres. 1,500	{ Little Fr.-Cu. to overcast St.-Cu. Lowest cloud 780 m. Wind very gusty at all altitudes.	
2	Feb. 28th, 11.5 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 150 m.	{	Temperature Humidity .. Wind	277.5° 95% 145°, 8	277° 100% 160°, 15	274.5° 100% 180°, 20				500	{ Lost in low cloud at 350 m. Kite drawn in on account of heavy pull.	
3	March 1st, 10.9 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 150 m.	{	Temperature Humidity .. Wind	281.5° 90% 180°, 7	280.5° 90% 190°, 13	278° 100% 200°, 16	274° 80% 210°, 18			274° 80% 210°, 17	1,200	{ Clouds at 550 m.
4	March 3rd, 10.3 a.m. to 11.20 a.m.	Pyrton Hill, Oxon, 150 m.	{	Temperature Humidity .. Wind	280° 90% 135°, 6	279.5° 90% 145°, 8	278° 80% 145°, 15	275° 30% 145°, 14			275.5° 80% 145, 13	1,300	{ Cloudless. Wind backing during the ascent.
5	March 3rd, 10.16 a.m. to 12.43 p.m.	Brighton, 115 m.	{	Temperature Humidity .. Wind	279.5° 80% 140°, 8	278° 80% 140°, 9	275° 50% 155°, 11	273° 20% 170°, 11	?° ?° 180°, 12		?° ?° 180°?	1,600? 180°?	{ Cloudless all day. Clock stopped partially. No temp. below 73°.
6	March 4th, 10.22 a.m. to 11.3 a.m.	Pyrton Hill, Oxon, 150 m.	{	Temperature Humidity .. Wind	282° 90% 90°, 6	280.5° 85% 90°, 12	280.5° 80% 110°, 17	277.5° 60% 120, 17			278.5° 60% 120°, 17	1,070	{ Cloudless. London smoke. Wind estimated from pull.
7	March 5th, 10.0 a.m. to 12.0 a.m.	Brighton, 115 m.	{	Temperature Humidity .. Wind	280° 90% —, 12	278° 85% 140°, 15	277° 60% 160°, 17				277° 60% 160°, 17	900	{ Cloudless all day. Remarkably steady wind.

Erratum.—In last weeks' report p. 72, No. 3, Feb. 24th, under column "Remarks" read "Ascent quickly followed heavy squall with gusts of 23 m.p.s."

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7
No. of Kites.....	1	1	1	1	2	1	1
Area of Surface (metres) ..	7	4	6	8	12	8	7
Length of Wire (metres) ..	1,800	420	1,500	2,000	2,300	1,200	1,000

Aldershot.—March 3rd 11.15 a.m. to 2.45 p.m.

Kite Ascent. Maximum Height 730 m. Temperature fell from 280° at surface to about 274° at maximum height. Humidity increased with altitude. At 1.30 p.m. rapid descent of Kite through 280 m., temperature rose 3° C.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

81

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 10.
Vol. XXVII. (New Series.)

TENTH WEEK, SUNDAY, MARCH 6TH, TO SATURDAY, MARCH 12TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather in its general character was very unsettled. Rain fell every day in some part of the Kingdom, often very generally, whilst in most localities the rainless intervals were seldom very bright. Thunder and hail occurred at Roche's Point on Tuesday, and hail at West Linton on Friday. A faint aurora was observed at Nairn on Monday evening.

Temperature was above the average, the excess varying from 1°·3 in Ireland S. to 4°·4 in the Midland Counties and England N.W., and about 5°·5 in England S.E. and E. The highest of the maxima were recorded early in the week, and varied from 58° in England E. and 57° or 56° in several other districts to 54° and 53° respectively in Scotland E. and W. The lowest of the minima, which were mostly registered either on the 11th or 12th, ranged from 23° in England S.W. and below 30° over a large portion of the Kingdom to 37° in England S.E. and to 39° in the English Channel. The lowest grass readings reported were 16° at Llangammarch Wells, 20° at Hereford, 21° at Markree Castle, 22° at Armagh and Cardiff, and 23° at Colmonell and West Linton.

Mean Temperature of the Sea.—The water was warmer very generally than during the corresponding week of last year, the excess being very marked (about 6½°) on the east and south-east coasts of England. The values ranged from about 48° on the south-west coast of England and 47° at Seafeld to 44° at the Shipwash Lightship and at Lamlash, to 41° at Aberdeen and Cromarty, and to 40° at Burnmouth.

Rainfall exceeded the average generally, the excess being very large in the east and south of England and considerable in Ireland. The divergence was very slight in England N.E. and S.W. and the Midland Counties. As much as 1·19 inch was experienced at Tunbridge Wells and Matfield (Kent) on Wednesday and 1·27 inch at Jersey on Friday.

Bright Sunshine was less than the normal in most places, but rather more in Scotland N. and W., Ireland S., the Midland Counties, and England S.W. The percentage of the possible duration ranged from 37 in Ireland S. and 35 in England S.W. to 24 in Ireland N., 23 in England E., and to 18 in England S.E.

Barometer and Wind.—At the beginning of the week the barometer was highest over Scandinavia and the wind current over these islands South Easterly. The Continental anti-cyclone, however, soon took up a position further south, while the Atlantic low pressure moved more to the northward, and the wind in this country became Southerly and South-Westerly. Only one cyclonic system passed directly across the United Kingdom, the centre of a rather deep disturbance moving north-eastwards across Scotland on Thursday. During its passage the wind blew a strong breeze or high wind from the South-Westward on our western coasts, and from the North-Eastward in the Hebrides and Shetland. Towards the end of the week an anti-cyclone began to extend over these islands from the Atlantic at the same time that a depression appeared over the Bay of Biscay and France, and with this change the wind veered to the Northward over the northern and western districts and to North or North-East in the south.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 84.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual
	Rainfall ...	Moderate	Heavy	Moderate	Heavy	Moderate	Heavy	Heavy	Moderate	Moderate	Heavy	Heavy	Very heavy
	Sunshine ...	Abundant	Moderate	Moderate	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Abundant	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 1 week from March 6th, 1910.	Warmth ...	1*0	1*0	1*0	1*0	1*0	1*0	1*0	1*0	1*0	1*0	0*0	1*0
	Rainfall ...	0*0	1*0	0*0	1*0	0*0	1*0	1*0	0*0	0*0	1*0	1*0	1*0
	Sunshine ...	1*0	0*0	0*0	0*1	0*0	0*1	0*0	0*0	0*0	0*0	1*0	0*1

PAST SEASONS.

SPRING, 1909. Mar. 7th–June 5th. 13 weeks.	Warmth ...	4*3	5*7	6*2	4*1	6*2	3*4	6*1	6*3	4*4	6*2	4*4	5*1
	Rainfall ...	3*5	8*2	7*5	7*4	6*4	6*3	5*4	6*5	5*4	5*4	6*4	5*4
	Sunshine ...	2*2	3*4	4*5	5*5	6*4	6*4	5*4	7*4	6*4	5*5	6*3	5*5
SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1*7	1*8	2*7	2*9	2*7	2*10	1*7	1*8	2*7	1*5	1*4	2*8
	Rainfall ...	3*5	2*6	5*6	5*3	4*4	5*5	4*4	5*4	4*6	1*5	1*9	2*7
	Sunshine ...	5*3	4*3	1*7	3*6	3*6	4*7	2*4	3*6	4*5	3*5	4*5	4*4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2*6	3*5	2*6	4*5	4*5	3*6	3*7	3*6	3*6	4*7	4*6	3*5
	Rainfall ...	5*7	5*4	1*4	3*1	3*4	5*4	4*5	4*6	4*5	4*7	5*8	5*5
	Sunshine ...	5*2	5*3	3*5	2*6	2*5	3*2	5*5	5*2	4*4	5*2	5*2	4*5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1*5	2*4	3*4	4*2	3*2	5*4	3*4	5*3	4*4	3*6	2*6	4*4
	Rainfall ...	4*2	5*2	5*2	6*1	7*2	5*2	6*1	7*1	7*2	6*3	6*3	5*3
	Sunshine ...	10*2	6*0	4*2	7*2	8*2	8*2	5*1	8*0	6*1	4*4	4*1	3*3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

DISTRICTS. (See Frontispiece map.)		TENTH WEEK—March 6th to March 12th, 1910.																	
		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
								Day-deg.	Day-deg.	Day-deg.	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH		55	28	46.9	36.7	41.7	+ 3.6	14	+ 7	21	- 14	6	+ 1	1.18	+0.15	24	+ 6	31	+ 7
Eastern																			
1. SCOTLAND, EAST		54	29	47.6	36.5	41.9	+ 3.9	16	+ 6	22	- 16	5	+ 1	0.77	+0.23	21	- 1	27	- 1
2. ENGLAND, N.E.		56	29	49.8	38.3	43.8	+ 4.3	23	+ 14	10	- 21	4	0	0.36	-0.06	20	- 4	26	- 5
3. ENGLAND, EAST		58	34	50.8	40.2	45.4	+ 5.8	31	+ 14	5	- 28	5	+ 2	0.65	+0.31	18	- 6	23	- 8
4. MIDLAND COUNTIES		57	29	50.5	38.0	44.1	+ 4.4	32	+ 14	11	- 22	5	+ 2	0.47	+0.05	23	+ 2	30	+ 3
5. ENGLAND, S.E.		57	37	50.3	42.3	46.2	+ 5.4	29	+ 10	0	- 26	6	+ 3	1.16	+0.71	14	- 9	18	-12
Western																			
6. SCOTLAND, WEST		53	26	48.1	38.2	43.0	+ 3.4	23	+ 12	11	- 18	5	+ 1	1.11	+0.28	22	+ 1	28	+ 1
7. ENGLAND, N.W.		55	33	48.9	40.3	44.5	+ 4.4	25	+ 12	5	- 21	5	+ 1	0.65	+0.09	20	- 1	26	- 1
8. ENGLAND, S.W.		56	23	50.0	40.7	45.2	+ 3.7	28	+ 8	4	- 18	5	+ 1	0.68	+0.01	27	+ 3	35	+ 4
9. IRELAND, NORTH		55	29	48.3	38.3	43.1	+ 2.2	23	+ 6	10	- 14	5	+ 1	1.24	+0.63	18	- 2	24	- 3
10. IRELAND, SOUTH		56	27	49.5	38.7	43.9	+ 1.3	27	+ 4	9	- 10	5	+ 1	1.09	+0.31	29	+ 5	37	+ 6
11. ENGLISH CHANNEL		56	39	51.8	44.6	48.1	+ 3.9	43	+ 18	0	- 9	6	+ 2	1.46	+0.88	24	- 6	30	- 7
		THE SEASON (Spring).—Aggregates, &c., for the Period of 1 Week, March 6th, to March 12th, 1910.																	
0. SCOTLAND, NORTH		55	28	*	*	*	*	14	+ 7	21	- 14	6	+ 1	1.18	+0.15	24	+ 6	31	+ 7
Eastern																			
1. SCOTLAND, EAST		54	29	*	*	*	*	16	+ 6	22	- 16	5	+ 1	0.77	+0.23	21	- 1	27	- 1
2. ENGLAND, N.E.		56	29	*	*	*	*	28	+ 14	10	- 21	4	0	0.36	-0.06	20	- 4	26	- 5
3. ENGLAND, EAST		58	34	*	*	*	*	31	+ 14	5	- 28	5	+ 2	0.65	+0.31	18	- 6	23	- 8
4. MIDLAND COUNTIES		57	29	*	*	*	*	32	+ 14	11	- 22	5	+ 2	0.47	+0.05	23	+ 2	30	+ 3
5. ENGLAND, S.E.		57	37	*	*	*	*	29	+ 10	0	- 26	6	+ 3	1.16	+0.71	14	- 9	18	-12
Western																			
6. SCOTLAND, WEST		53	26	*	*	*	*	23	+ 12	11	- 18	5	+ 1	1.11	+0.28	22	+ 1	28	+ 1
7. ENGLAND, N.W.		55	33	*	*	*	*	25	+ 12	5	- 21	5	+ 1	0.65	+0.09	20	- 1	26	- 1
8. ENGLAND, S.W.		56	23	*	*	*	*	28	+ 8	4	- 18	5	+ 1	0.68	+0.01	27	+ 3	35	+ 4
9. IRELAND, NORTH		55	29	*	*	*	*	23	+ 6	10	- 14	5	+ 1	1.24	+0.63	18	- 2	24	- 3
10. IRELAND, SOUTH		56	27	*	*	*	*	27	+ 4	9	- 10	5	+ 1	1.09	+0.31	29	+ 5	37	+ 6
11. ENGLISH CHANNEL		56	39	*	*	*	*	43	+ 18	0	- 9	6	+ 2	1.46	+0.88	24	- 6	30	- 7
		THE YEAR.—Aggregates, &c., for the Period of 10 Weeks, January 2nd to March 12th, 1910.																	
0. SCOTLAND, NORTH		55	2	*	*	*	*	62	- 5	408	+ 43	58	+ 7	12.88	+0.89	145	+39	25	+ 7
Eastern																			
1. SCOTLAND, EAST		58	-10	*	*	*	*	74	- 4	481	+ 16	48	+ 9	6.81	+1.28	174	+29	29	+ 5
2. ENGLAND, N.E.		56	6	*	*	*	*	112	+18	311	- 21	45	+ 8	4.78	+0.97	177	+27	23	+ 4
3. ENGLAND, EAST		58	17	*	*	*	*	151	+44	254	-118	45	+ 8	5.00	+1.29	204	+40	32	+ 6
4. MIDLAND COUNTIES		57	10	*	*	*	*	189	+17	300	- 69	47	+11	5.74	+1.14	192	+51	30	+ 8
5. ENGLAND, S.E.		57	13	*	*	*	*	168	+31	178	-107	49	+14	7.34	+2.44	199	+42	31	+ 7
Western																			
6. SCOTLAND, WEST		57	0	*	*	*	*	110	+10	302	+ 11	52	+ 8	12.43	+2.75	152	+25	25	+ 4
7. ENGLAND, N.W.		58	7	*	*	*	*	133	+31	224	- 53	55	+15	9.54	+3.31	177	+43	28	+ 7
8. ENGLAND, S.W.		56	8	*	*	*	*	188	+17	147	- 74	54	+14	10.56	+2.89	193	+34	30	+ 5
9. IRELAND, NORTH		55	7	*	*	*	*	154	+12	243	+ 2	58	+12	10.93	+3.82	152	+14	24	+ 2
10. IRELAND, SOUTH		59	18	*	*	*	*	211	+ 2	181	- 3	59	+17	11.70	+3.46	178	+18	28	+ 3
11. ENGLISH CHANNEL		56	28	*	*	*	*	276	+32	33	- 55	56	+11	10.00	+3.51	212	+14	32	+ 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.												
																			Day	Day
0. SCOTLAND, N.	a, Islands.	p Balta Sound	8	49	7th	34	12th	44.8	38.1	41.4	—	6	1.06	15.7	—	21	—	Balta Sound.		
		a Sumburgh Head	47	49	7th, 8th	28	12th	44.6	32.3	38.3	— 0.1	7	1.24	24.3	+ 4.2	32	+ 6	Deerness.		
		a Stornoway	49	47	6, 7, 8th	34	12th	46.3	38.4	42.2	+ 3.0	17	1.26	23.1	+ 2.7	31	+ 4	Stornoway.		
		a Castlebay, Barra Isd.	47	47	6, 7, 8, 9th	37	12th	45.9	41.1	43.4	+ 1.6	14	0.51	22.2	—	29	—	Castlebay.		
	b, Main-land.	a Wick	51	51	8th, 9th	32	12th	46.9	38.0	42.3	+ 3.6	19	0.40	—	—	—	—			
		p Strathpeffer	55	55	8th	32	6th	47.8	36.6	42.0	+ 3.9	16	0.91	27.4	+ 8.8	36	+ 12	Strathpeffer.		
		p Glencarron	54	54	6th	32	12th	46.6	35.7	41.0	+ 3.5	13	2.14	—	—	—	—			
		p Fort Augustus	55	55	6th	33	6th, 10th	48.2	36.6	42.2	+ 3.6	24	0.86	19.8	+ 4.6	26	+ 6	Fort Augustus.		
	p Fort William	53	53	6th	35	12th	47.7	38.3	42.9	+ 3.1	22	1.48	—	—	—	—				
1. SCOTLAND, E.		p Gordon Castle	54	54	7th, 9th	32	12th	48.9	36.1	42.3	+ 2.8	27	0.44	—	—	—	—	Gordon Castle.		
		a Nairn	52	52	8th	31	6th, 7th	48.3	35.4	41.7	+ 2.9	18	0.39	—	—	—	—	Nairn.		
		a Aberdeen	52	52	9th	34	12th	48.6	39.1	42.7	+ 3.5	17	0.82	18.4	— 5.2	24	— 7	Aberdeen.		
		a Balmoral	49	49	8th	31	12th	45.0	35.7	40.2	+ 5.2	8	1.29	16.9	—	22	—	Crathes S.		
		p Crieff	53	53	8th	31	12th	47.9	36.6	42.1	+ 3.0	23	1.21	18.4	—	24	—	Balruidery		
		a Leith	53	53	9th	35	12th	49.7	38.6	44.0	+ 3.5	28	0.46	—	—	—	—	Edinburgh.		
		a West Linton	51	51	6th	29	12th	46.4	35.3	40.7	+ 3.4	12	1.06	—	—	—	—	West Linton.		
		p Marchmont	52	52	6th	32	7th, 12th	47.6	34.9	41.1	+ 3.1	16	0.51	—	—	—	—	Marchmont.		
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	51	51	7, 8, 9th	35	6th	48.2	37.7	42.8	+ 3.4	24	0.43	—	—	—	—	Cockle Park.		
		a Shields	53	53	9th	36	6, 7, 12th	48.6	38.0	43.1	+ 3.1	25	0.47	—	—	—	—	Newcastle.		
		p Durham	53	53	9th	29	6th	48.0	37.0	42.3	+ 3.5	23	0.40	—	—	—	—	Durham.		
		p Rounton	55	55	6th	32	6th	49.7	37.8	43.6	+ 4.8	29	0.37	—	—	—	—			
	b, South.	p Scarborough	55	55	9th	32	12th	50.9	38.6	44.6	+ 4.5	32	0.31	—	—	—	—	Scarborough.		
		p York	56	56	6th	35	12th	51.3	39.1	45.0	+ 4.8	33	0.26	—	—	—	—	York.		
		a Spurn Head	53	53	7th	38	11th, 12th	48.4	39.7	43.9	+ 3.8	23	0.24	—	—	—	—			
		a Lincoln	55	55	7th, 9th	34	11th	51.8	38.1	44.8	+ 4.5	36	0.31	—	—	—	—	Skegness.		
	a Fulbeck	55	55	7th	34	11th, 12th	51.3	38.4	44.7	+ 4.5	34	0.37	—	—	—	—	Raunceby.			
3. ENGLAND, E.	a, North.	p Cromer	58	58	6th	36	8th	51.1	39.4	45.1	+ 5.9	33	0.45	—	—	—	—	Lowestoft.		
		p Hillington	56	56	6th, 7th	34	6th	52.3	38.1	45.0	+ 5.2	37	0.57	—	—	—	—	Cromer.		
		a Yarmouth	56	56	7th	38	8th	48.9	40.0	44.3	+ 4.9	25	0.69	—	—	—	—	Hillington.		
		a Norwich	57	57	7th	37	6th	51.5	39.8	45.5	+ 5.9	34	0.56	—	—	—	—	Yarmouth.		
	b, South.	p Geldeston	57	57	7th	37	8th	51.6	40.0	45.6	+ 5.5	34	0.72	—	—	—	—	Geldeston.		
		p Cambridge	58	58	7th	37	11th	52.3	40.2	46.1	+ 5.7	36	0.50	—	—	—	—	Cambridge.		
		a Felzestowe	53	53	7th	39	12th	47.9	41.4	44.6	+ 4.2	31	0.99	—	—	—	—	Felzestowe.		
		a Clacton-on-Sea	52	52	7th	40	12th	48.1	42.3	45.1	+ 5.2	22	0.99	—	—	—	—	Clacton.		
4. MIDLAND COUNTIES.	a, East.	a Rothamsted	56	56	7th	37	12th	50.6	39.7	45.0	+ 5.4	31	0.87	—	—	—	—	Rothamsted.		
		a Shoeburyness	55	55	7th	39	12th	50.1	41.7	45.8	+ 4.7	28	0.99	—	—	—	—	Southend.		
		p Tottenham	56	56	7th	38	12th	50.7	42.6	46.5	+ 5.7	32	0.73	—	—	—	—	Tottenham.		
		a Harrogate	52	52	9th	30	6th	48.1	37.2	42.5	+ 3.7	24	0.40	—	—	—	—	Harrogate.		
	b, West.	a Bawtry	56	56	7th	32	6th	51.6	37.1	44.1	+ 3.8	35	0.51	—	—	—	—	Workop.		
		p Buxton	53	53	7th	33	12th	46.8	37.4	42.0	+ 5.0	13	0.72	—	—	—	—	Buxton.		
		a Nottingham	56	56	7th	33	11th	52.0	38.0	44.8	+ 4.8	36	0.49	—	—	—	—	Nottingham.		
		p Birmingham Edgbn	54	54	7th	35	11th	49.4	39.5	44.3	+ 4.5	27	0.58	—	—	—	—	Birmingham.		
5. ENGLAND, S.E.	a, East.	a Raunds	57	57	7th	32	6th	51.3	39.3	45.1	+ 4.3	33	0.49	—	—	—	—	Oxford.		
		a Oxford	55	55	7th	30	12th	48.9	36.1	42.3	+ 3.4	27	0.51	—	—	—	—	Sheffield.		
		a Cheddle	56	56	7th	33	11th, 12th	51.1	38.9	44.8	+ 3.7	33	0.37	—	—	—	—			
		p Shrewsbury	56	56	7th	29	11th	51.2	38.8	44.8	+ 3.9	33	0.54	—	—	—	—			
	b, West.	a Hereford	57	57	7th	29	11th	51.2	38.8	44.8	+ 3.9	33	0.42	—	—	—	—	Cirencester.		
		a Cirencester	55	55	8th	33	11th	49.4	37.5	43.3	+ 3.9	28	0.42	—	—	—	—	Bath.		
		a Bath	56	56	7th	32	11th	51.9	38.0	44.7	+ 3.5	36	0.39	—	—	—	—	Ramsgate.		
		p Kew	55	55	7th	39	12th	51.0	42.2	46.5	+ 5.6	32	0.81	—	—	—	—	Kew.		
6. ISLE OF MAN	a, North.	a Marlborough	56	56	7th	41	8th, 12th	51.7	42.7	47.1	+ 6.3	36	0.73	—	—	—	—	Marlborough.		
		a Margate	56	56	7th	38	12th	50.7	42.6	46.5	+ 5.0	32	1.06	—	—	—	—	Margate.		
		a Wisley, Surrey	56	56	7th	37	12th	49.7	40.5	45.0	+ 5.2	27	0.92	—	—	—	—	Wisley.		
		a Swaraton	55	55	7th	37	12th	49.7	40.5	45.0	+ 5.2	27	2.13	—	—	—	—	Worthing.		
	b, South.	a Tunbridge Wells	54	54	7th	37	12th	49.7	40.5	45.0	+ 5.2	27	1.87	—	—	—	—	Tunbridge Wells.		
		a Dungeness	51	51	6th	43	6, 8, 11, 12	48.9	43.6	46.2	+ 5.5	29	0.67	—	—	—	—	Littlestone.		
		p Hastings	51	51	6th	39	12th	49.0	42.6	45.7	+ 4.4	26	1.21	—	—	—	—	Hastings.		
		p Southampton	57	57	7th	38	12th	51.9	42.3	47.0	+ 4.4	35	0.87	—	—	—	—	Southampton.		
7. ENGLAND, S.W.	a, North.	a Ventnor	53	53	6th	38	12th	50.2	43.3	46.7	+ 4.0	33	1.54	—	—	—	—	Ventnor.		
		a Westminster	56	56	7th	39	12th	51.6	43.1	47.2	+ 6.0	36	0.74	—	—	—	—	Eastbourne.		
		a Greenwick	58	58	7th	38	12th	52.5	41.4	46.8	+ 5.2	36	0.94	—	—	—	—	Westminster.		
		a Laudaie	52	52	7th	30	12th	47.7	37.0	42.2	+ 2.8	22	1.00	—	—	—	—	Greenwich.		
	b, South.	p Glasgow	51	51	6, 7, 8th	33	12th	48.4	38.2	43.2	+ 3.6	24	0.92	—	—	—	—	Glasgow.		
		p Rothesay	51	51	7th, 8th	30	12th	49.0	38.9	43.8	+ 3.3	26	1.21	—	—	—	—	Kilmarnock.		
		a Kilmarnock	53	53	6th	26	12th	49.3	37.7	43.3	+ 4.5	37	0.85	—	—	—	—	Dumfries.		
		a Colmonell	52	52	7th	28	12th	48.4	38.1	43.1	+ 3.2	24	1.20	—	—	—	—			
8. ENGLAND, S.W.	a, North.	p Dumfries	53	53	6th	33	12th	47.7	38.3	42.9	+ 2.9	22	1.73	—	—	—	—	Dumfries.		
		p Cally, Gatehouse	50	50	11th	34	10th, 12th	47.9	37.5	42.6	+ 3.0	23	0.87	—	—	—	—	Douglas.		

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	40.1	—	Harrogate	1	26	39.8	39.8	6. Dumfries	0	31	40.9	40.4
1. Aberdeen	—	—	—	39.0	Huddersfield	0	31	39.5	39.6	Douglas	0	31	—	—
Crathes	1	30	39.2	37.6	Buxton	5	28	39.9	40.4	Aspatia	1	26	42.7	41.9
Balmoral	1	28	—	—	Sheffield	4	25	40.2	40.4	Newton Rigg	3	24	40.8	39.8
West Linton	2	23	—	—	Nottingham	1	27	41.7	40.1	Burnley	1	30	40.4	40.1
Marchmont	2	29	39.4	—	Birmingham	1	26	41.9	42.9	Southport	1	29	41.4	40.4
Cockle Park	0	31	39.3	39.3	Oxford	0	32	—	—	Manchester City	0	37	41.8	42.0
Durham	1	26	—	—	Hereford	5	20	—	—	Bettws-y-Coed	—	—	—	—
York	—	—	40.5	40.6	Cirencester	1	30	42.5	42.6	Llangamarch Wells	3	16	42.4	43.5
Hull	1	30	41.7	41.0	Bath	—	—	44.0	43.6	Cardiff	1	22	43.4	43.6
Lincoln	—	—	40.0	39.8	Margate	0	38	43.5	42.9	Clifton	1	27	—	—
Rauceby	4	26	42.2	42.0	Greenwich	2	29	—	—	Plymouth	0	31	45.7	—
Norwich	0	31	—	—	Westminster	0	31	—	—	9. Armagh	1	22	42.2	42.7
Yarmouth	—	—	42.1	43.0	Kew	1	28	43.7	42.7	Markree	4	21	42.8	43.7
Lowestoft	0	34	41.7	41.5	Canterbury	—	—	—	—	10. Dublin, Trin. Coll. ..	12	27	43.4	44.3
Cambridge	5	25	42.9	42.5	Tunbridge Wells	0	33	42.7	—	11. Guernsey, Brooklyn	0	35	46.6	45.7
Clacton-on-Sea	0	31	44.0	44.4	Wisley	0	36	44.0	43.4					
Southend	0	33	44.4	—	Worthing	0	37	45.3	44.2					
Tottenham	0	32	—	43.0	Portsmouth	0	36	45.7	45.3					
					6. Glasgow	1	25	—	—					
					Rothsay	—	—	—	41.3					
					Colmonell	1	23	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	43	42	42.7	SCOTLAND, W.	Lamlash	44	44	44.0
	Kirkwall	42	40	41.4		Ballantrae	43	42	43.0
	Wick	43	42	42.4	ENGLAND, N.W.	Port Erin	45	44	44.6
SCOTLAND, E.	Cromarty	42	40	41.0		Newquay	48	48	48.0
	Pennan Bay	42	40	41.2	ENGLAND, S.W.	Plymouth	50	48	48.6
ENGLAND, N.E.	Aberdeen, Cove Bay ..	41	41	41.0		Salcombe	48	46	47.2
	Burnmouth, Berwick ..	40	39	39.6	IRELAND, N.W.	Sheephaven	45	44	44.9
ENGLAND, E.	Scarborough	46	40	43.0		Teelin	44	43	43.9
	Shipwash Lightship ..	44	44	44.0	IRELAND, S.W.	Cleggan	45	42	43.8
ENGLAND, S.E.	Margate	45	43	44.1		Seahfield	49	46	46.9
	Eastbourne	45	44	44.4	IRELAND, E.				

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

N.B.—The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 3.36 a.m. in Portugal; and at 8 a.m. in Spain.

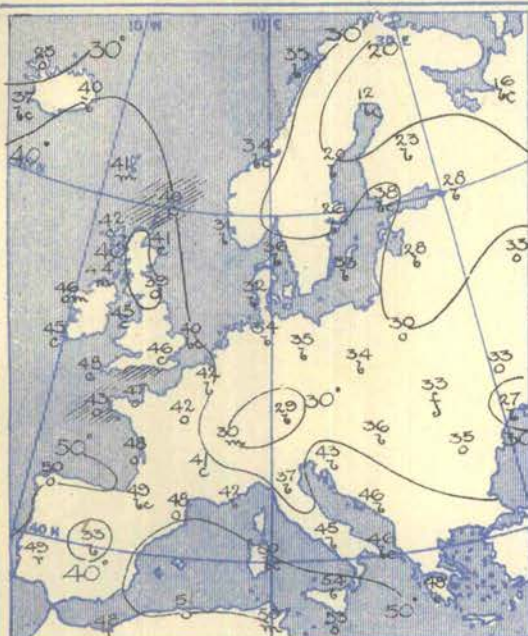
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 6th March, 1910.

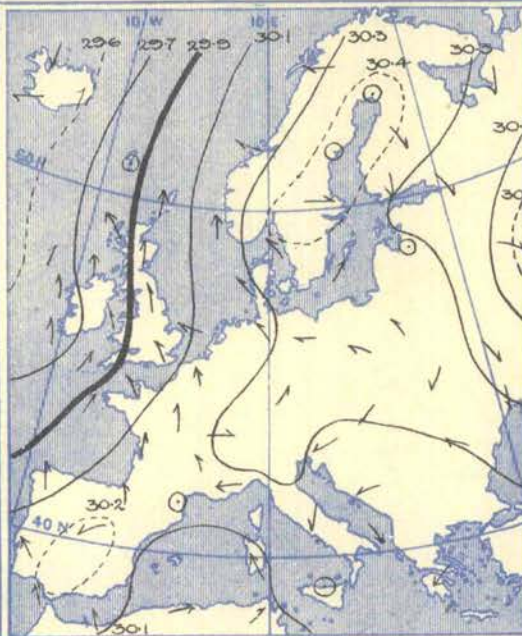
Temperature and Weather.

7 a.m.

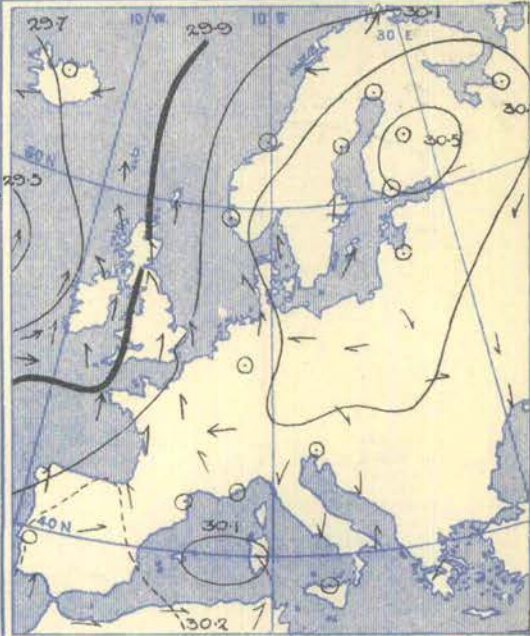


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy to overcast in most parts of the United Kingdom, France, and Portugal, with rain at Roche's Point, Limoges, and Lisbon; fair to fine over our area generally, but rainy in the west of Algeria and also at Barcelona. Some rain experienced later over a large portion of these Islands and in Brittany, and as much as 0·8 in. at Perpignan.

Temperature changed rather irregularly; fallen in many regions, but risen over England. Morning readings below 50° except at a few stations in the far south of our area, below 40° over the greater part of the Continent, and at some of our own stations, and below 20° in the north of Russia and Scandinavia. Rising later to between 50° and 55° in many parts of this country, to between 55° and 60° over Italy, the Spanish Peninsula, and the major portion of France and the Netherlands, and to above 60° in some scattered localities. Thermometer only touching 50° at Athens.

Wind in morning anticyclonic and of little force over the greater part of the Continent, and cyclonic and light over the Mediterranean. A South-Easterly to Southerly current prevailing over these Islands, France, and the North Sea; light to moderate in force generally, but blowing a strong breeze at Portland Bill and a fresh breeze in Brittany. No important change later in day.

Barometer in morning 30·3 ins. to above 30·4 ins. in a very large area covering much of northern Europe, the central countries, and the Black Sea, and above 30·2 ins. over central Spain. Below 30·0 ins. in a shallow depression over southern Italy, and below 29·7 ins. in a large area extending from the Atlantic over the west of Ireland. Very little modification occurring later in the general distribution of pressure; changing slightly and irregularly in these Islands.

Monday, 7th March, 1910.

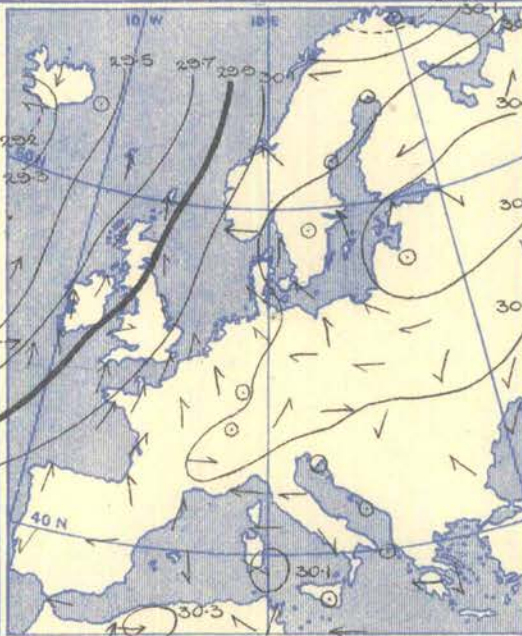
Temperature and Weather.

7 a.m.

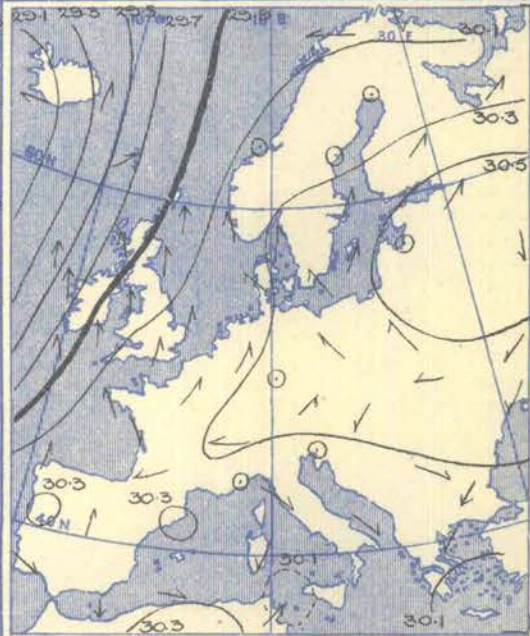


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright in most regions, but cloudy or overcast in Russia and in many parts of this country, and rainy at Leith. Rain falling later in most British and Irish districts, and also in the Low Countries and Denmark; amounts slight at nearly all stations, but as much as 0·7 in. measured at Fano. Faint aurora seen at night at Nairn.

Temperature changed rather irregularly. Morning readings below 32° over a large portion of central, eastern, and northern Europe, only 34° at Madrid, and 38° at Rome; above 45° in the west and south of these Islands, and above 50° at many places in the south-west and south of our area. Maxima during day about 55° in various parts of this country, and about 60° in many parts of France and southern Europe, but below 50° over the greater portion of central Europe—only 39° at Buda, and 34° at Cracow.

Wind in morning mainly Southerly in these Islands and France, and light to moderate in force. Light anticyclonic air prevailing over most of the mainland of the Continent, and light, variable breezes over the Mediterranean. Very little change occurring during day; Southerly wind increasing somewhat in force along our western coasts, and becoming high at Blacksod Point.

Barometer in morning above 30·5 ins. in a large anticyclone centred over northern Russia and relatively high in a band extending thence to the Spanish Peninsula and beyond. Low generally off the west of these Islands, and in Iceland, and relatively low in a small minimum over Sardinia. Anticyclonic centre taking up a more southerly position by evening. Atlantic low pressure extending further over these Islands and Iceland and some increase taking place in the gradient over our western and northern districts.

Tuesday, 8th March, 1910.

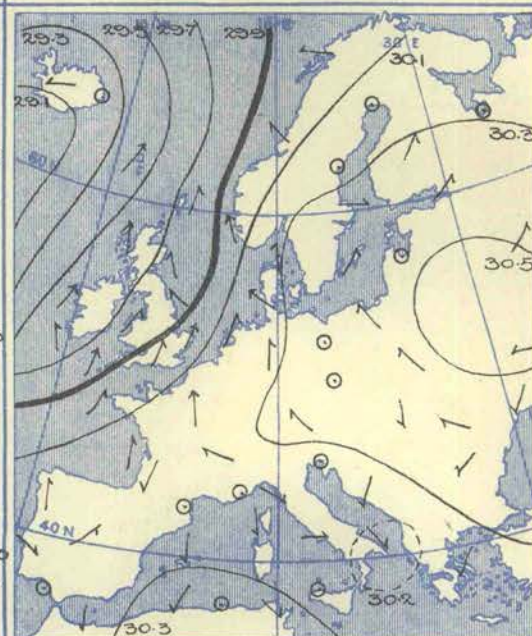
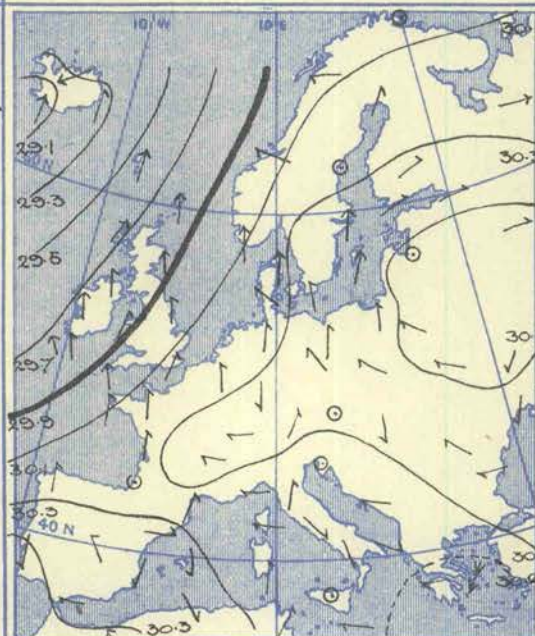
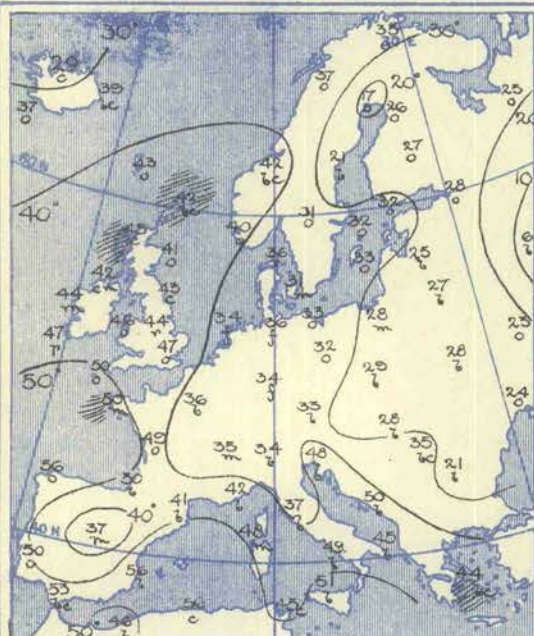
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning cloudy or overcast in these Islands and their immediate neighbourhood, as well as in southern Norway, Finland, and at a few isolated places elsewhere; rain falling at some English stations, at Valencia Island, and at Leghorn, and rain or snow on the shores of the Skager Rack. Rain experienced later in most parts of the United Kingdom, Brittany, the north-east of France, and the Netherlands, and thunder, with hail, at Roche's Point.

Temperature risen in most regions, fallen over the southern half of Russia, in Poland, and Hungary. Morning readings ranging from 59° at Palma, 56° at Corunna, and about 50° at many other southern stations and at Sicily, to below 32° over a large portion of eastern and northern Europe, and to below 10° in central Russia. Rising subsequently to above 50° in almost all parts of this country and the adjacent part of the Continent, to about 60° in several French localities and on the shores of the Mediterranean, and to about 65° in places. Maxima below 50° over a large area in central Europe, and also at Athens.

Wind in morning showing a very extensive anticyclonic circulation affecting nearly the whole of the Continent, and a moderate to strong breeze from the Southward over the United Kingdom, France, and the North Sea region. Light breezes from various quarters prevailing over the Spanish Peninsula and the Mediterranean, but a North-East gale blowing at Athens. No general change occurring later.

Barometer in morning above 30.5 ins. in a large high pressure system having its maximum over Russia; below 29.2 ins. in a depression over the extreme south-east of Europe, and below 29.1 ins. in a large system between Iceland and Greenland. Little change in the general distribution of pressure during day, but some shallow irregularities appearing over these Islands, and gradient becoming steeper over England.

Wednesday, 9th March, 1910.

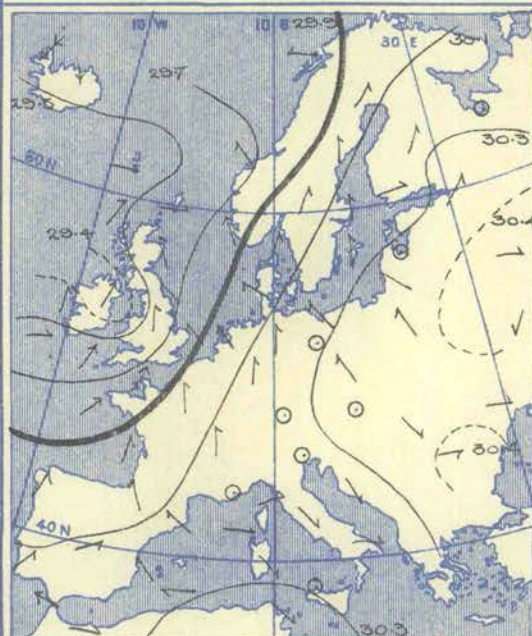
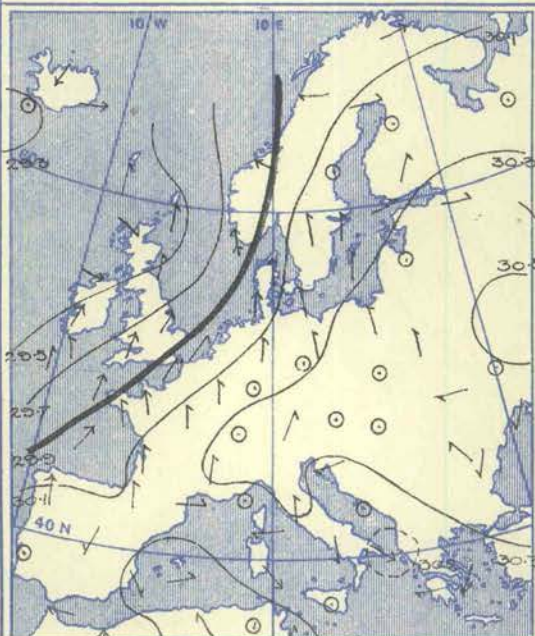
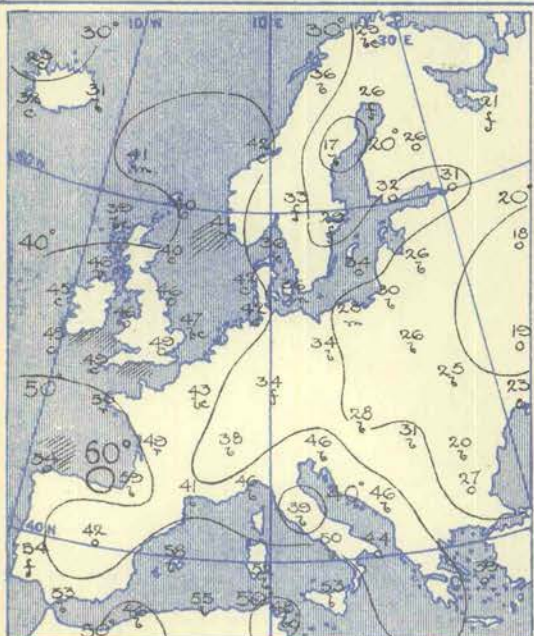
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright over the major portion of our area, but a good deal of cloud prevailing in these Islands, with showers in places, and rain or snow falling in the south of Norway and north of Denmark. Rain becoming very general by afternoon in the United Kingdom, and a considerable quantity falling in Ireland and the south and south-east of England. Rain also experienced in the north of France, and rain or snow in Scandinavia.

Temperature risen in England and the adjacent parts of the Continent, fallen in most other regions. Morning readings below 20° over a large portion of Russia and at Hernösand, and below 32° in Poland and Austria-Hungary; as high as 49° or 50° in the south of England, above 50° at many places in the south-west and south of our area, and as high as 59° at Biarritz, and 63° at Bilbao. Maxima during day 59° or higher in almost all parts of Great Britain, and as high as 60° in several localities further south. Thermometer reaching 70° in the south-west of France and at Bilbao, and 68° at Tunis.

Wind in morning moderate from the Southward and South-Westward over these Islands and their neighbourhood, and strong to a gale from South-South-East on the south-west coast of Norway; drawing into North-East in Iceland and blowing a strong gale at Isafford. An anticyclonic circulation prevailing over the greater portion of the Continent. Increasing from South-West and South later in the south of England and in Wales, and backing to South-East in the north of these Islands.

Barometer in morning above 30.5 ins. in a large high pressure system having its maximum over central Russia; below 29.3 ins. in a large depression to the southward of Iceland, and relatively low in a secondary off the north of Scotland. Barometer falling briskly during day in Ireland and England, and a depression arriving over the former country by evening. A decided decrease of pressure also taking place over the Bay of Biscay region. Pressure rising in Iceland and Scotland.

Thursday, 10th March, 1910.

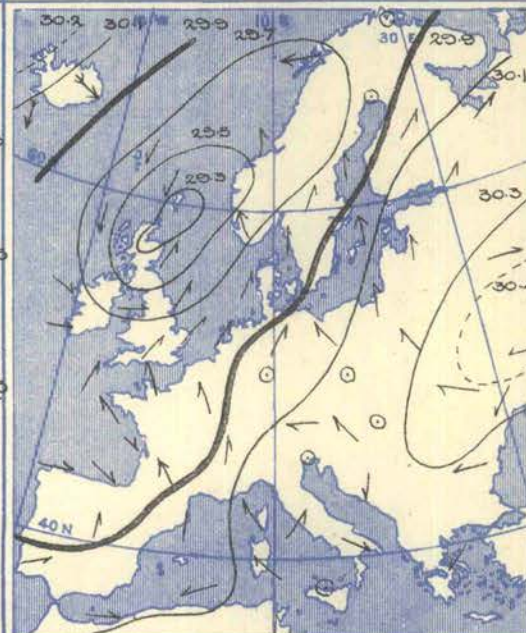
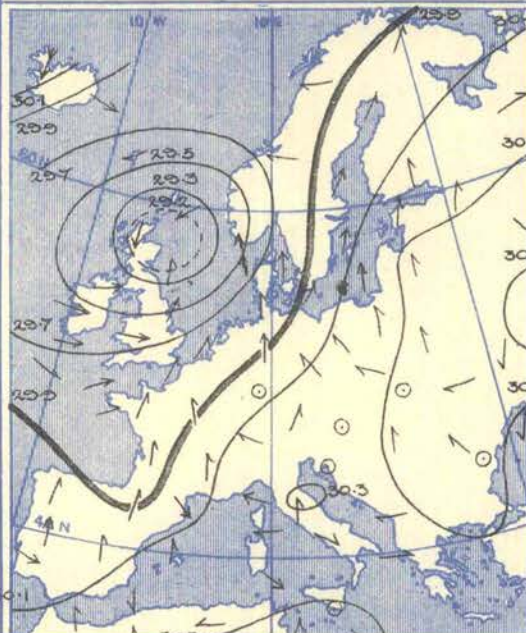
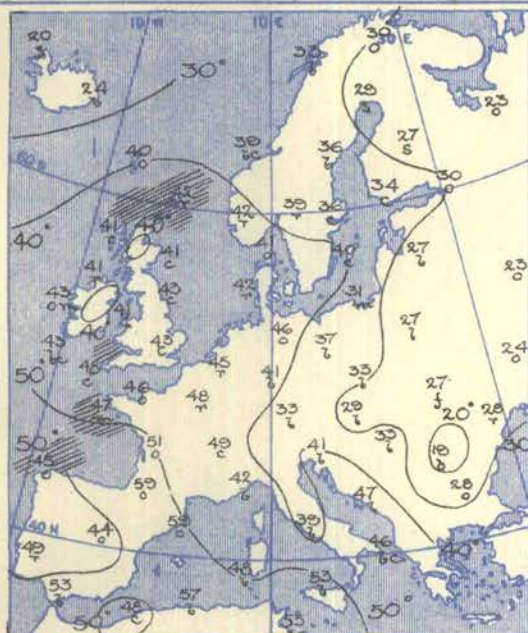
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning rainy or showery at several places in the west and north of these Islands the north of France, the Netherlands, and also at Lisbon, and rain or snow falling at some stations in Scandinavia. Overcast in some other localities, but fair to fine and bright generally. Rain later in many parts of these Islands, the north and west of France, the Netherlands, Denmark, and Scandinavia, and also in some parts of the Spanish Peninsula. A thunderstorm, with hail and rain, at Paris during evening.

Temperature risen over a large area in central and northern Europe, fallen in most other regions. Morning readings ranging from 60° at Bilbao, and 59° at Biarritz and Barcelona, to below 40° over the major portion of the Continent, including the northern half of Italy, to below 32° in Russia, Poland, and some localities in Austria, and to 17° at Kharkoff. Maxima again above 50° in many parts of this country as well as in central Europe, and between 55° and 65° over a large area in southern Europe. Thermometer rising to 68° at Algiers and Tunis, but only touching 50° at Athens.

Wind in morning showing a complete cyclonic circulation around Scotland, the Westerly and South-Westerly currents over Ireland and England being moderate to strong, the Southerly current beyond the North Sea blowing a gale at Skudesnaes, and that from North-East blowing a strong gale in the north-west of Iceland. Light anticyclonic winds general over the greater part of the Continent. Not much change during day; becoming variable in the west of France.

Barometer in morning below 29.2 ins. in a depression centred over north Scotland, and relatively low in a shallow secondary over the Bay of Biscay. Above 30.5 ins. in a large anticyclonic system covering much of the Continent, and having its maximum in Russia. Scottish depression becoming rather less deep during day without materially changing its position. Pressure increasing quickly in the north and north-west of our Islands during night, and a large anticyclone beginning to extend over Ireland and Scotland. Barometer falling over France and Germany and shallow depression over the Bay of Biscay undergoing some modification in form and intensity.

Friday, 11th March, 1910.

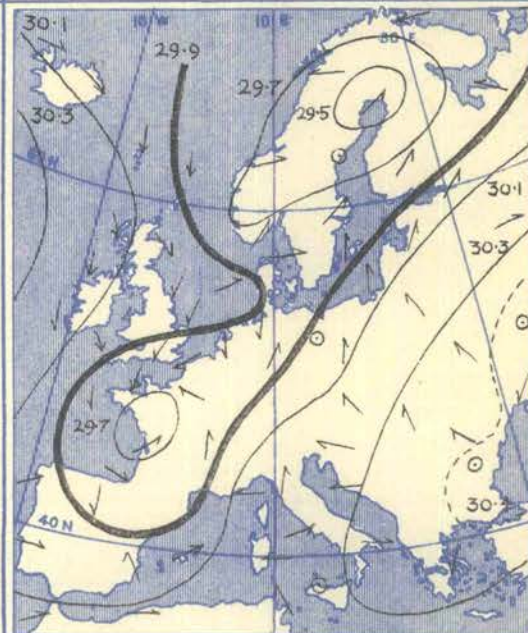
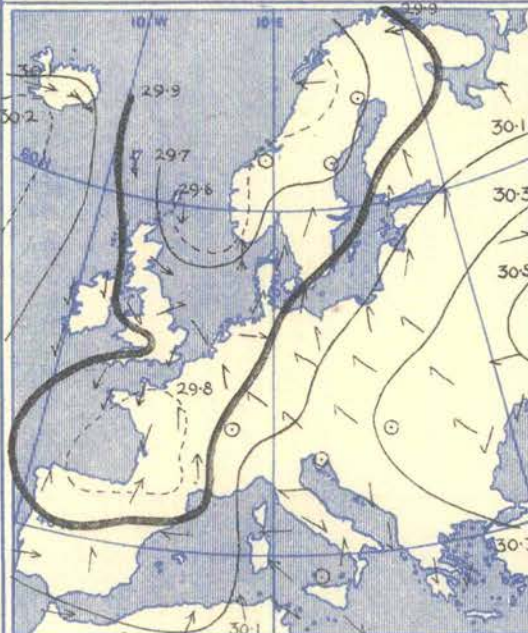
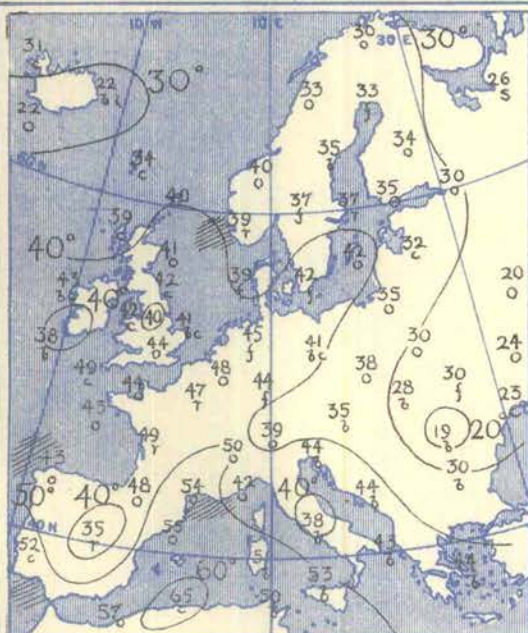
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright over the greater part of our area, but dull and rainy in several parts of France and Spain, the south of Scandinavia, Shetland, and at Malin Head. Heavy rain later in many French localities and at Turin—an inch or more in places—and rain setting in in the south of this country and in the Netherlands; about 1.25 in. at Jersey and more than 0.6 in. on the coast of Kent.

Temperature changed irregularly. Morning readings ranging from 10° at Kharkoff, 20° at St. Petersburg, and below 32° in the east and north-east of Europe generally, to about 40° in several parts of our Islands and northern Italy, and to above 50° at various stations in the extreme south of our area; highest value 65° at Algiers. Remaining below 50° all day at most of our own stations, and also in the north of France and at Madrid. Maxima above 60° in the far south generally, 70° at Algiers and Tunis, and 77° at Cape de Garde.

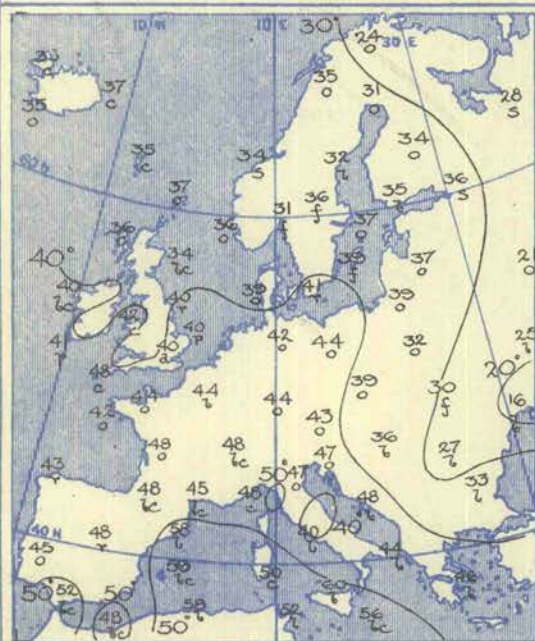
Wind in morning mainly Northerly in these Islands and of little force; between South-East and South-West at most stations in Germany and Scandinavia, and strong to a gale on the south-west coast of Norway. A complete cyclonic circulation prevailing over France and its vicinity, and light or moderate breezes from no general direction in the Mediterranean region. A gale from the North-Westward blowing at Seydisfjord. Northerly current increasing in force during day over the United Kingdom and the Channel, but gale dying down to a calm at Skudesnaes and to a high wind at Seydisfjord.

Barometer in morning above 30.5 ins. in the neighbourhood of Kharkoff, below 29.7 ins. in a depression centred over the south-west of France, and below 29.6 ins. over the upper part of the North Sea, and in the north-west of Norway. French depression moving slowly northward later and barometer falling slightly in the south of this country. Pressure continuing to increase decidedly in the north and west of these Islands, but remaining stationary in Iceland.

Saturday, 12th March, 1910.

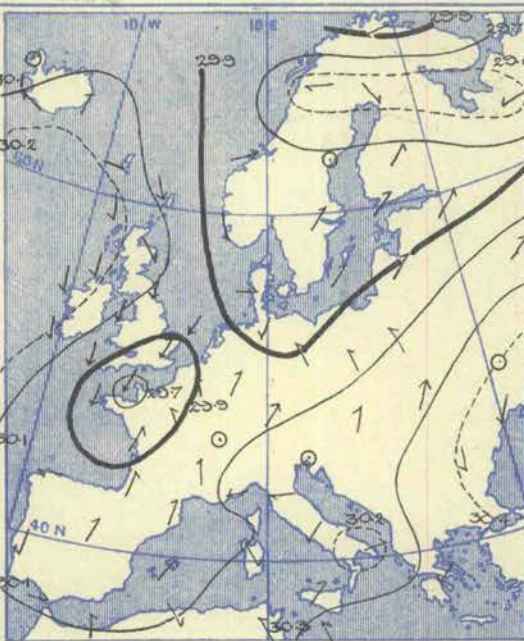
Temperature and Weather.

7 a.m.

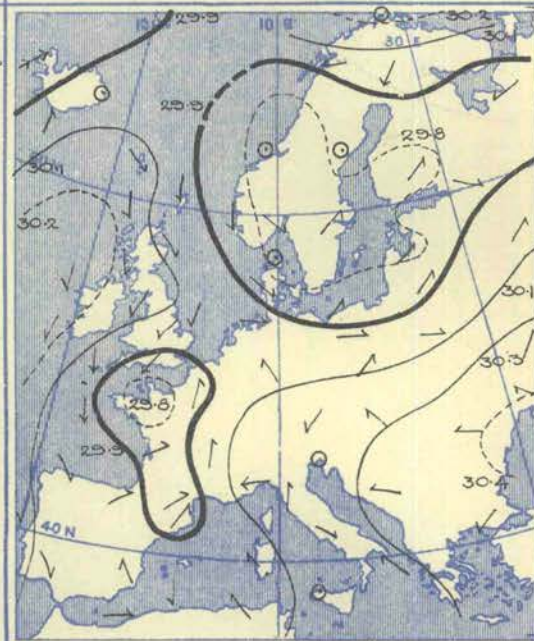


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally overcast, with rain in places, over the greater portion of England, the Netherlands, western France, and a large part of the Spanish Peninsula; fair to fine in most other regions, but showers falling at Valencia Island, and snow at Kharkoff and at some stations in the far north. Rain at times later in England, France, and in several other parts of western Europe, and also in Switzerland and Algeria; amount not large generally, but more than 2 ins. at Cape Sicé.

Temperature fallen in most regions, but changed irregularly over the Mediterranean. Morning readings ranging from 60° at Palermo and 59° at Palma to about 40° at Rome, in many parts of England and Ireland, and in Denmark, to below 32° at most stations in the east and north-east of Europe; lowest value 12° at Kharkoff. Maxima during day below 45° in most parts of Great Britain, but above 50° in central Europe, and between 55° and 60° over a large area in the south. Thermometer rising to 70° at Palermo, to 75° at Cape de Garde, and to 79° at Tunis. Frost at night in many parts of England and Scotland.

Wind in morning showing a cyclonic circulation around the north of France, the Northerly current over these Islands being moderate to fresh generally, and strong on the Channel coast. Light anticyclonic air prevailing over most of Russia and south-eastern Europe, and a feeble cyclonic movement in the far north, as well as over the south of Italy and its vicinity. No general change during day, but a gale from the South-West setting in in the north-west of Iceland.

Barometer in morning above 30.5 ins. in a high pressure system having its maximum over the south-east of Russia; below 29.7 ins. in a well-defined depression with its minimum near St. Malo, and below 29.6 ins. in a large, elongated system in the north of the Continent. A decided fall of the barometer taking place in Iceland during day, but pressure increasing slowly over England and France. Northern disturbance undergoing considerable modification in position and form, and becoming less deep.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. March 6th, 10.15 a.m. to 11.30 a.m.	Brighton, 115 m.	{ Temperature Humidity Wind	281° 90° 180°, 7	280° 90° 190°, 14	277° 90° 215°, 18	275° 50° 220°, 17	275° 35° 220°, 16			275° 30° 220°, 16	} 1,600 { Various types of high clouds. A little fleecy clouds just under 1,000 m. with low humidity just above it.
2	March 8th, 10.51 a.m. to 11.21 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity Wind	288° 90° 200°, 7	282.5° 90° 200°, 12	281° 100° 200°, 18					278.5° 100° 200, 18		} 950 { Overcast, some rain. Wind most irregular. Clouds at 500 m.
3	March 9th, 10.0 a.m. to 10.40 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity Wind	283° 80° 180°, —	282° 85° 180°, —	280° 100° 190°, —					278.5° 100° 190°, —	} 780 { Clouds at 400 m. Raining. Very irregular gusty wind.
4	March 10th, 10.30 a.m. to 11.30 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity Wind	283° 80° 215°, 5	282° 80° 215°, 8	279.5° 80° 215°, 9					278.5° 80° 215°, 9		} 600 { A few Cu. Convection currents evident. Wind too light to get higher.
5	March 12th, 10.30 a.m.	Brighton, 115 m.	{ Temperature Humidity Wind	280° 100° 70°, 9	280° 90° 110°, 9							} { Decrease of temp. with height. Wind decreased rapidly with altitude so that 500 m. could not be reached.

APPARATUS USED IN THE KITE OR BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5
No. of Kites	1	1	1	1	
Area of Surface (metres) ..	7	6	6	8	
Length of Wire (metres) ..	2,300	1,000	750	800	

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 11.

ELEVENTH WEEK, SUNDAY, MARCH 13TH, TO SATURDAY, MARCH 19TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather. In the extreme north and west of the Kingdom few days passed without more or less rain, but elsewhere the week was mostly dry, and occasionally very bright. Snow showers occurred on Friday in nearly all parts of Great Britain and continued on Saturday round the east and south-east coasts of England. Aurora was observed at Wick on Wednesday night.

Temperature was below the average, the deficit amounting to nearly 2° in the Midlands and England S.W. The highest of the maxima were recorded very generally between the 15th and 17th, and ranged from 58° in Scotland E. and 57° in the Midland Counties to 51° in Scotland N. and W., and to 50° in England N.W. The lowest of the minima, which were registered on rather irregular dates, varied from 20° in Scotland N. and 22° in England S.W. to 32° in the English Channel. The lowest grass readings recorded were 15° at Cambridge and Llangammarch Wells, 17° at Hereford, 19° at West Linton, Newton Rigg and Cardiff, and 20° at Kew, Aspatria and Burnley.

Mean Temperature of the Sea.—As a rule the water was warmer than during the corresponding week of last year, the difference being very considerable on the east and south-east coasts of England. The means for the week ranged from 48° at Newquay, 47° at Plymouth and Salcombe, and 45° at Sheerhaven and Margate, to 40° at Kirkwall, Aberdeen and Burnmouth.

Rainfall slightly exceeded the normal in Scotland N., but was less elsewhere, the deficit being large in many parts of Britain.

Bright Sunshine was less than the average in Ireland and also in Scotland N., but above it in all other districts. The percentage of the possible duration ranged from 56 in England S.E., 54 in England E., and 46 in England S.W. to 24 in Scotland N. and 20 in Ireland N.

Barometer and Wind.—During the earlier half of the week the distribution of barometric pressure underwent several modifications over our Islands and their immediate neighbourhood, but, as a whole, it was favourable for light winds from some point between South-West and West or North-West. From Wednesday, however, the large disturbances moving eastwards in the far north extended considerably over these Islands and the North Sea region, and the wind increased in force from the Westward. An expansion southward of a depression over Scandinavia on Thursday night and the formation of secondaries over the North Sea and the Netherlands caused the wind to veer to the Northward very generally over this country and to blow with the force of a fresh breeze to high wind in many places, and to reach the force of a gale at Dover. During Saturday the Northerly current decreased in strength and commenced to back, and by the evening the wind in Scotland and most parts of Ireland and Wales had returned to the Westward.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 84.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.	
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Moderate	Moderate	Light	Moderate	Light	Light	Moderate	Light	Light	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Abundant	Abundant	Very abundant	Moderate	Abundant	Abundant	Scanty	Moderate	Abundant	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 2 weeks from March 6th, 1910.	Warmth ...	1 * 0	1 * 0	1 * 0	1 * 0	1 * 1	1 * 1	1 * 0	1 * 0	1 * 1	1 * 0	0 * 0	1 * 0
	Rainfall ...	0 * 0	1 * 0	0 * 1	1 * 0	0 * 1	1 * 1	1 * 0	0 * 1	0 * 1	1 * 0	1 * 0	1 * 0
	Sunshine ...	1 * 0	0 * 0	0 * 0	1 * 1	1 * 0	1 * 1	0 * 0	1 * 0	1 * 0	0 * 1	1 * 0	1 * 1

PAST SEASONS.

SPRING, 1909. Mar. 7th–June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
	Rainfall ...	3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

DISTRICTS. (See Frontispiece map.)		ELEVENTH WEEK—March 13th to March 19th, 1910.																	
		Temperature.								Rainfall.				Sunshine.					
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
								Day-deg. 8	Day-deg. - 1	Day-deg. 34	Day-deg. + 3			Inches. 1.18	Inches. +0.12			% 24	% - 1
0. SCOTLAND, NORTH		51	20	44.8	32.3	38.3	- 0.8					6	+ 1			19	- 1		
Eastern																			
1. SCOTLAND, EAST		58	24	46.4	31.9	38.9	- 0.4	12	- 3	37	+ 3	4	0	0.38	-0.15	24	+ 1	30	+ 1
2. ENGLAND, N.E.		52	28	46.9	34.0	40.2	- 0.5	14	- 5	30	+ 3	3	0	0.17	-0.25	33	+ 5	41	+ 7
3. ENGLAND, EAST		54	26	47.5	32.0	39.5	- 1.4	15	- 9	37	+ 8	3	0	0.18	-0.15	44	+ 16	54	+20
4. MIDLAND COUNTIES		57	24	47.2	31.8	39.3	- 1.7	15	- 9	38	+ 9	3	0	0.10	-0.27	36	+ 12	45	+15
5. ENGLAND, S.E.		56	26	48.1	33.2	40.4	- 1.6	17	- 7	33	+ 11	3	0	0.14	-0.26	46	+ 19	56	+23
Western																			
6. SCOTLAND, WEST		51	28	46.3	34.7	40.4	- 0.3	12	- 4	27	+ 2	5	+ 1	0.40	-0.38	24	+ 1	30	+ 1
7. ENGLAND, N.W.		50	28	45.7	35.5	40.5	- 0.7	10	- 8	25	+ 3	4	0	0.24	-0.27	30	+ 6	37	+ 8
8. ENGLAND, S.W.		53	22	47.3	34.3	40.6	- 1.9	15	- 9	29	+ 11	3	- 1	0.22	-0.35	37	+ 10	46	+12
9. IRELAND, NORTH		53	26	47.2	35.4	41.1	- 0.7	15	- 6	25	+ 4	5	0	0.44	-0.12	16	- 6	20	- 8
10. IRELAND, SOUTH		55	28	48.5	36.4	42.3	- 1.0	26	- 1	16	0	5	+ 1	0.59	-0.04	23	- 2	29	- 3
11. ENGLISH CHANNEL		55	32	50.0	39.7	44.7	- 0.4	29	0	6	- 1	3	- 1	0.20	-0.27	42	+ 9	52	+11
		THE SEASON (Spring).—Aggregates, &c., for the Period of 2 Weeks March 6th, to March 19th, 1910.																	
0. SCOTLAND, NORTH		55	20	*	*	*	*	22	+ 6	55	- 11	12	+ 2	2.36	+0.27	43	+ 5	28	+ 3
Eastern																			
1. SCOTLAND, EAST		58	24	*	*	*	*	28	+ 3	59	- 13	9	+ 1	1.15	+0.08	45	0	29	0
2. ENGLAND, N.E.		56	29	*	*	*	*	42	+ 9	40	- 18	7	0	0.53	-0.31	53	+ 1	34	+ 1
3. ENGLAND, EAST		58	26	*	*	*	*	46	+ 5	42	- 20	8	+ 2	0.83	+0.16	62	+ 11	39	+ 7
4. MIDLAND COUNTIES		58	24	*	*	*	*	47	+ 5	49	- 13	8	+ 2	0.57	-0.22	59	+ 14	37	+ 9
5. ENGLAND, S.E.		57	26	*	*	*	*	46	+ 3	33	- 15	9	+ 3	1.30	+0.45	60	+ 10	38	+ 6
Western																			
6. SCOTLAND, WEST		53	26	*	*	*	*	35	+ 8	38	- 16	10	+ 2	1.51	-0.10	46	+ 1	29	+ 1
7. ENGLAND, N.W.		55	28	*	*	*	*	35	+ 4	30	- 18	9	+ 1	0.96	-0.11	50	+ 6	32	+ 4
8. ENGLAND, S.W.		56	22	*	*	*	*	43	- 1	33	- 7	8	0	0.90	-0.34	64	+ 13	40	+ 8
9. IRELAND, NORTH		55	26	*	*	*	*	38	0	35	- 10	10	+ 1	1.68	+0.51	34	- 9	22	- 6
10. IRELAND, SOUTH		56	27	*	*	*	*	53	+ 3	25	- 10	10	+ 2	1.59	+0.27	52	+ 2	33	+ 1
11. ENGLISH CHANNEL		56	32	*	*	*	*	72	+ 18	6	- 10	9	+ 1	1.66	+0.61	66	+ 3	42	+ 2
		THE YEAR.—Aggregates, &c., for the Period of 11 Weeks, January 2nd to March 19th, 1910.																	
0. SCOTLAND, NORTH		55	2	*	*	*	*	70	- 6	442	+ 46	64	+ 8	14.06	+1.01	164	+38	25	+ 6
Eastern																			
1. SCOTLAND, EAST		58	-10	*	*	*	*	86	- 7	465	+ 19	52	+ 9	7.19	+1.13	198	+29	29	+ 4
2. ENGLAND, N.E.		56	6	*	*	*	*	126	+13	341	- 18	48	+ 8	4.95	+0.72	210	+32	30	+ 5
3. ENGLAND, EAST		58	17	*	*	*	*	166	+35	291	-110	48	+ 8	5.18	+1.14	248	+57	35	+ 8
4. MIDLAND COUNTIES		58	10	*	*	*	*	154	+ 8	338	- 60	50	+11	5.84	+0.87	228	+63	32	+ 9
5. ENGLAND, S.E.		57	13	*	*	*	*	185	+24	211	- 36	52	+14	7.48	+2.18	245	+61	34	+ 8
Western																			
6. SCOTLAND, WEST		57	0	*	*	*	*	122	+ 6	329	+ 13	57	+ 9	12.83	+2.37	176	+25	25	+ 4
7. ENGLAND, N.W.		58	7	*	*	*	*	148	+23	249	- 50	59	+15	9.85	+3.11	207	+50	29	+ 7
8. ENGLAND, S.W.		56	8	*	*	*	*	203	+ 8	176	- 63	57	+13	10.78	+2.54	230	+43	32	+ 6
9. IRELAND, NORTH		55	7	*	*	*	*	169	+ 6	268	+ 6	63	+12	11.40	+3.70	168	+ 7	24	+ 1
10. IRELAND, SOUTH		59	18	*	*	*	*	237	+ 1	197	- 3	64	+18	12.29	+3.42	201	+16	28	+ 2
11. ENGLISH CHANNEL		56	28	*	*	*	*	305	+32	39	- 56	59	+10	10.20	+3.24	254	+23	34	+ 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

‡ The corresponding value for Report No. 10 slightly altered owing to the receipt of further information.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

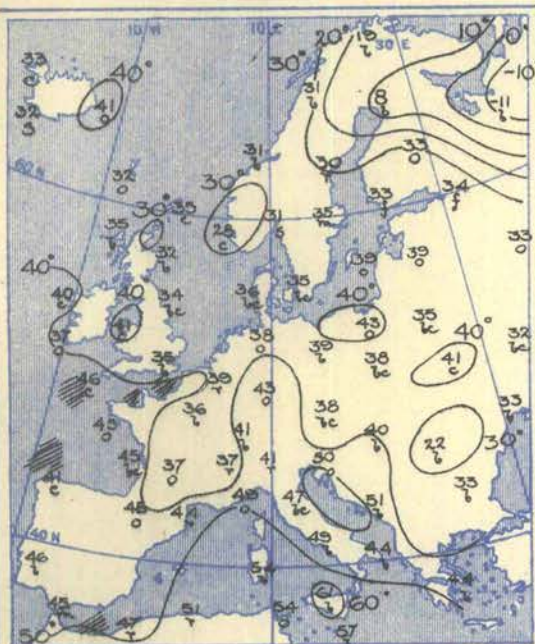
Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.		NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.	
			Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).		No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.		
							Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°.	Below 42°.									
0. SCOTLAND, N.	a, Islands.	p Balta Sound	8	46	15th	27	18th	43.4	31.7	37.4	—	4	26	7	0.92	—	23.3	—	36	—	Balta Sound.
		a Sumburgh Head	45	14, 15, 19th	20	18th	42.9	27.4	34.9	- 3.5	3	50	7	0.60	- 0.10	23.0	+ 3.5	33	+ 4	Deerness.	
		a Stornoway	49	16th	29	18th	45.6	33.3	39.3	- 0.1	10	32	7	1.13	+ 0.20	19.6	- 2.8	25	- 4	Stornoway.	
	b, Main-land.	a Castlebay, Barra Isd.	48	16th, 19th	31	18th	45.7	37.3	41.4	- 0.8	10	18	7	0.46	- 0.20	19.2	—	24	—	Castlebay.	
		a Wick	51	19th	27	18th	45.3	31.0	37.9	- 1.4	9	39	7	0.71	+ 0.21	—	—	—	—	Strathpeffer.	
		p Strathpeffer	50	19th	30	18th	46.2	34.0	39.9	+ 1.3	12	30	4	0.56	- 0.04	19.6	- 0.3	25	0	Strathpeffer.	
		p Glencarron	45	16th	29	18th	42.3	32.9	37.5	- 0.5	1	51	7	2.66	+ 0.89	—	—	—	—	Fort Augustus.	
p Fort Augustus	48	15th	28	18th	45.4	32.9	39.0	0.0	10	33	6	1.00	+ 0.17	11.6	- 5.3	15	- 7	Fort Augustus.			
p Fort William	48	13th, 15th	28	18th	45.6	34.6	39.9	- 0.3	10	27	6	1.61	+ 0.09	—	—	—	—	Fort Augustus.			
1. SCOTLAND E.	a, North.	p Gordon Castle	50	15th, 16th	29	18th	46.9	32.5	39.5	- 0.5	14	35	6	0.45	- 0.06	15.2	—	23	—	Gordon Castle.	
		a Nairn	51	16th	30	15, 18, 19th	46.4	32.3	39.1	- 0.2	12	35	5	0.58	+ 0.18	17.3	—	23	—	Nairn.	
		a Aberdeen	58	16th	29	18th	47.3	32.0	39.4	- 0.4	15	37	4	0.46	- 0.08	28.3	+ 2.5	35	+ 3	Aberdeen.	
		a Balmoral	50	16th	24	13th, 15th	44.3	29.9	36.9	+ 1.4	6	43	3	0.55	- 0.09	26.9	—	34	—	Crathes S.	
		p Crieff	55	16th	30	15th, 18th	49.1	33.6	41.1	+ 1.3	20	33	3	0.10	- 0.59	28.4	—	36	—	Balnrderry.	
		a Leith	54	16th	32	18th, 19th	48.6	34.3	41.2	0.0	18	30	4	0.15	- 0.20	23.0	+ 2.7	29	+ 3	Edinburgh.	
		a West Linton	47	16th	26	13th, 18th	42.9	29.6	36.1	- 1.7	3	43	5	0.41	—	14.3	—	18	—	West Linton.	
p Marchmont	52	16th	26	18th	45.6	31.0	38.1	- 0.5	10	40	4	0.34	- 0.21	20.9	- 2.8	26	- 4	Marchmont.			
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	50	16th	30	18th	46.1	34.2	40.0	+ 0.2	11	29	3	0.19	- 0.36	33.7	—	42	—	Cockle Park.	
		a Shields	52	16th	30	18th, 19th	47.6	33.3	40.2	- 0.1	16	33	2	0.19	- 0.23	24.8	+ 5.3	31	+ 7	Newcastle.	
		p Durham	50	16th	29	18th	47.3	33.8	40.4	+ 0.8	15	31	3	0.13	- 0.25	29.0	+ 4.5	36	+ 6	Durham.	
		p Rounton	50	15th, 17th	29	13th, 18th	46.6	32.9	39.6	+ 0.2	13	34	3	0.09	- 0.32	—	—	—	—	Scarborough.	
		p Scarborough	52	15th, 17th	32	18th	49.7	35.6	42.4	+ 1.5	30	18	2	0.36	- 0.05	28.6	—	35	—	York.	
		p York	51	15th	31	13th	46.9	35.7	41.1	+ 0.3	14	24	4	0.15	- 0.21	29.8	+ 8.0	37	+ 10	Scarborough.	
		a Spurn Head	50	16th	32	19th	45.0	34.7	39.7	- 1.0	8	27	3	0.21	- 0.09	—	—	—	—	York.	
b, South.	a Lincoln	52	16th	30	16th	46.2	32.8	39.3	- 1.8	12	34	2	0.11	- 0.24	39.5	—	49	—	Skegness.		
	a Fulbeck	51	15th, 16th	28	13th	46.7	32.7	39.5	- 1.5	13	34	2	0.14	- 0.21	38.0	—	47	—	Rauceby.		
	p Cromer	52	16th	31	14th, 16th	46.1	33.9	39.8	- 0.4	11	30	6	0.15	—	51.1	—	53	—	Lowestoft.		
	p Hillington	53	16th	27	14th, 16th	47.6	31.1	39.1	- 1.5	16	40	4	0.32	- 0.10	37.0	+ 12.0	46	+ 15	Cromer.		
	a Yarmouth	53	16th	29	16th	47.0	32.0	39.3	- 0.6	14	37	2	0.15	- 0.18	50.4	—	62	—	Hillington.		
	a Norwich	53	16th	28	15th	47.6	31.7	39.4	- 1.0	16	38	4	0.24	—	—	—	—	—	Yarmouth.		
	p Geldeston	54	16th	29	14, 15, 16th	49.2	31.2	39.9	- 0.9	20	41	2	0.19	- 0.16	42.7	+ 15.3	53	+ 19	Geldeston.		
3. ENGLAND, E.	a, North.	p Cambridge	53	16th	26	15th	48.4	30.8	39.3	- 2.0	18	42	3	0.12	- 0.20	47.6	+ 20.8	59	+ 26	Cambridge.	
		a Felixstowe	53	16th	29	16th	47.7	33.0	40.1	- 0.9	16	34	4	0.17	—	51.4	—	64	—	Felixstowe.	
		a Clacton-on-Sea	52	16th	31	16th, 17th	47.3	32.7	39.8	- 0.7	15	35	3	0.12	—	48.4	—	60	—	Clacton.	
		a Rothamsted	53	16th	27	16th	47.0	31.1	38.8	- 1.5	14	40	3	0.16	- 0.26	43.1	+ 17.7	53	+ 22	Rothamsted.	
		a Southend	53	17th	31	15th	47.9	33.3	40.4	- 1.6	17	33	3	0.13	- 0.13	42.5	—	53	—	Southend.	
		p Tottenham	53	16th	27	16th	47.6	33.1	40.1	- 1.4	16	33	3	0.17	—	38.3	—	47	—	Tottenham.	
		b, South.	a Harrogate	50	16th	29	13th, 18th	45.1	33.4	39.1	- 0.2	9	31	4	0.15	- 0.33	33.5	—	41	—	Harrogate.
a Bawtry	53		16th	30	13th	48.0	34.1	40.8	- 0.4	17	30	2	0.05	- 0.29	33.7	+ 11.7	42	+ 14	Workop.		
p Buxton	47		15th, 16th	29	18th	45.3	31.9	37.4	- 0.2	4	35	5	0.50	- 0.43	30.8	—	38	—	Buxton.		
a Nottingham	51		16th	29	13, 14, 16th	47.0	30.7	38.6	- 2.2	14	41	2	0.07	- 0.28	31.4	—	39	—	Nottingham.		
p Birmingham, Edgbn	53		16th	31	13th, 18th	46.3	33.9	39.9	- 0.4	12	30	3	0.07	- 0.33	27.7	—	34	—	Birmingham.		
a Raunds	54		16th	26	15th, 16th	48.2	29.4	38.5	- 1.9	17	46	3	0.07	—	—	—	—	—			
a Oxford	52		16th, 17th	29	15th	48.0	31.1	40.3	- 1.2	17	34	5	0.09	- 0.23	41.8	+ 17.2	52	+ 21	Oxford.		
4. MIDLAND COUNTIES.	a, East.	a Cheddle	48	16th	29	16th, 18th	44.3	31.6	37.8	- 1.7	6	37	3	0.10	- 0.40	26.6	—	33	—	Sheffield.	
		p Shrewsbury	51	16th	29	13, 14, 16th	47.8	32.9	40.1	- 1.7	16	34	2	0.05	—	—	—	—	—		
		a Hereford	57	16th	27	14th, 16th	49.1	31.6	40.1	- 1.4	20	40	2	0.06	- 0.33	—	—	—	—		
		a Cirencester	51	17th	24	15th	47.1	29.8	38.2	- 1.8	14	45	3	0.16	- 0.30	40.9	+ 15.4	51	+ 19	Cirencester.	
		a Bath	53	17th	25	16th	48.0	29.4	38.4	- 3.4	17	46	3	0.18	- 0.29	52.9	—	65	—	Bath.	
		p Kew	53	16th	30	15th	47.9	33.2	40.3	- 1.3	17	33	3	0.13	- 0.23	41.4	+ 18.7	51	+ 23	Ramsgate.	
		a Marlborough	51	16th, 17th	26	15th, 16th	46.9	30.4	38.4	- 1.7	14	42	3	0.22	- 0.32	38.9	+ 16.2	48	+ 20	Kew.	
5. ENGLAND, S.E.	a, East.	a Margate	53	16th	32	15th, 19th	47.5	35.3	41.2	- 0.2	15	26	4	0.25	- 0.09	45.0	+ 18.4	56	+ 23	Margate.	
		a Wisley, Surrey	53	16th	27	15th	47.8	32.3	39.3	- 2.4	16	36	3	0.17	—	43.5	—	54	—	Wisley.	
		a Swarwell	52	16th	26	15th	47.2	30.9	38.8	- 1.6	15	41	3	0.13	- 0.37	48.6	—	60	—	Worthing.	
		a Tunbridge Wells	52	16th	27	16th	47.0	31.2	38.9	- 2.3	14	40	3	0.13	- 0.37	45.1	+ 18.9	56	+ 21	Tunbridge Wells.	
		a Dungeness	54	17th	30	19th	48.0	32.7	40.1	- 1.4	17	35	3	0.06	- 0.30	41.9	—	52	—	Littlestone.	
		p Hastings	55	17th	31	19th	48.4	35.4	41.7	- 0.2	18	16	4	0.15	- 0.33	47.2	+ 17.4	58	+ 22	Hastings.	
		p Southampton	56	16th	29	14, 15, 16th	49.8	33.1	41.2	- 2.1	22	35	3	0.12	- 0.37	45.1	+ 17.6	56	+ 22	Southampton.	
6. SCOTLAND W.	a, North.	a Ventnor	56	17th	34	14th, 19th	49.6	37.3	43.3	0.0	29	13	3	0.10	- 0.36	54.9	+ 23.0	68	+ 30	Ventnor.	
		a Eastbourne	56	16th	29	14th, 19th	49.6	37.3	43.3	0.0	29	13	3	0.10	- 0.36	44.8	+ 15.5	65	+ 19	Eastbourne.	
		a Westminister	54	16th	31	14, 15, 16, 17	48.9	32.9	40.7	- 1.2.											

Sunday, 13th March, 1910.

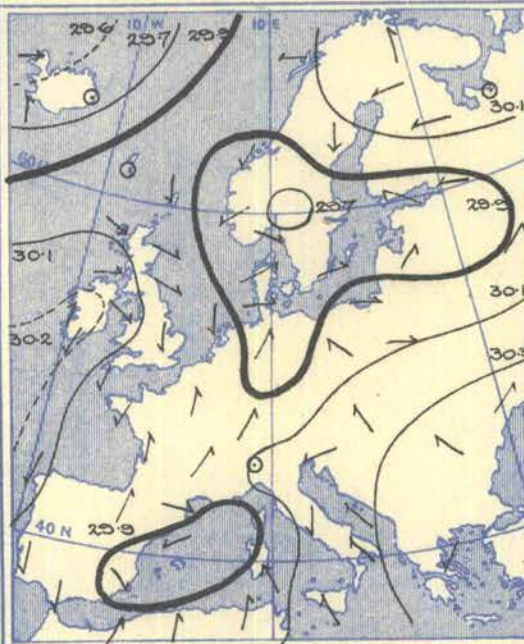
Temperature and Weather.

7 a.m.

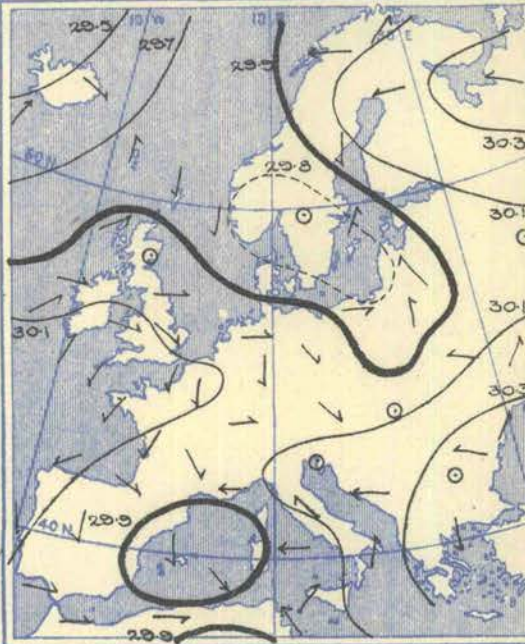


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over these Islands, the Spanish Peninsula, and a large area in the east and north of the Continent; very cloudy or overcast in most other regions, with snow in the south of Norway, and rain in some parts of France, Germany, and northern Italy, as well as in Algeria. Some rain later in the west and north of the United Kingdom, and heavy falls in the south of France and the northern parts of Spain and Italy; 2.5 ins. at Cette, 1.5 in. at Turin, and 1.1 in. at Barcelona.

Temperature fallen generally, risen over the greater portion of Russia. Morning readings ranging from 61° at Palermo, 59° at Sfax, and above 50° at some other southern stations, to about 32° in several parts of Great Britain, and to much below it in the north-east of the Continent. Thermometer as low as 8° at Haparanda, and -11° at Archangel. Maxima during day below 50° in nearly all parts of these Islands, the Netherlands, and the north of France, but several degrees higher in central Europe, and 60° or above over a large area in the south; highest figures 68° at Palermo, and 72° at Tunis. Frost at night over a large part of Great Britain.

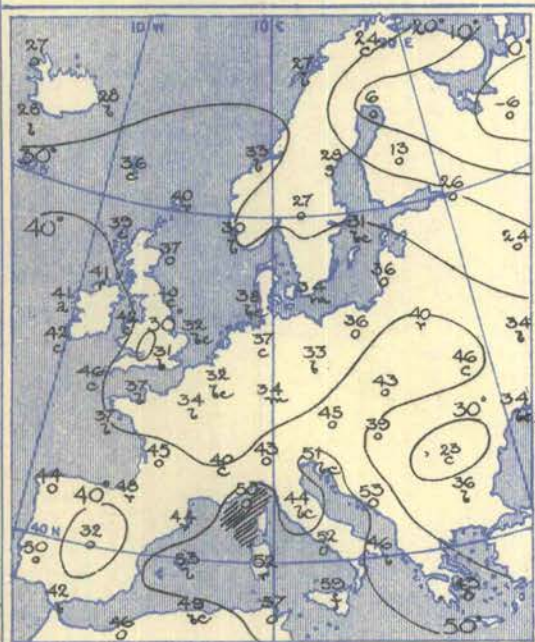
Wind in morning varying a good deal; mainly between North and North-West over this country, and showing partial or complete cyclonic circulations over the major portion of the Continent. A strong breeze from North prevailing at Hérnösand, but very little force generally. Increasing in strength in Algeria and Tunis during day, and blowing a strong breeze to high wind by evening. Backing towards West or South-West in the north and west of these Islands.

Barometer in morning above 30.3 ins. over the Black Sea and the surrounding regions, above 30.2 ins. off our south-west coasts, and above 30.1 ins. in Lapland. Below 29.8 ins. in a large, shallow depression over the south of Scandinavia and its neighbourhood, nearly as low in another system centred near the Balearic Isles, and below 29.7 ins. in Iceland. Pressure decreasing during day in the west and north of the United Kingdom, and the adjacent portion of the ocean; increasing in the south and over France and Germany.

Monday, 14th March, 1910.

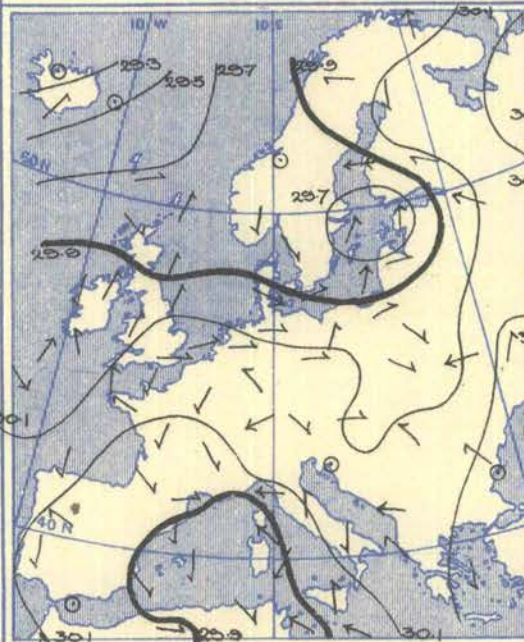
Temperature and Weather.

7 a.m.

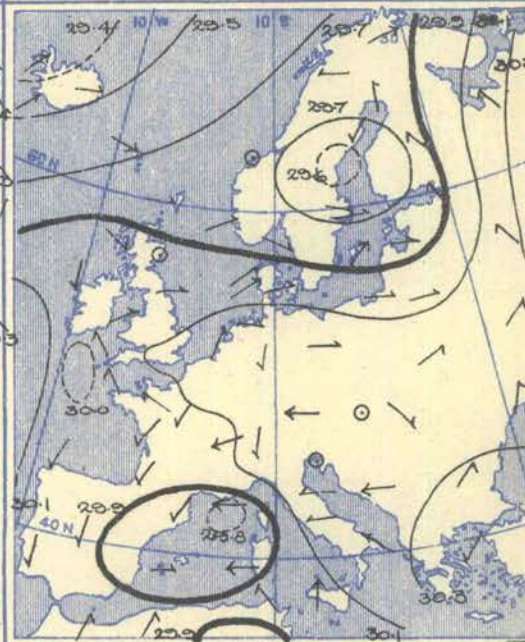


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning varying greatly; fair to fine over considerable areas, but very cloudy or overcast in several districts, with rain in some localities, and snow at Breslau and Hérnösand. Rain later in the north and west of these Islands, and heavy falls in the south of France and the adjacent parts of Spain and Italy; about 1.75 in. at Cette and Perpignan, and more than 2 ins. at Cape Sicé. Some rain also experienced in Algeria, and rain or snow in Scandinavia and Finland.

Temperature risen in Ireland and Scotland, fallen over England and the major portion of the Continent. Readings in morning ranging from 6° below zero at Archangel, and below 20° in most parts of Finland, to about 40° in Poland and in the west of these Islands, and to above 50° in patches on the shores of the Mediterranean; highest value 62° at Sfax. Maxima during day about 50° at a few of our own stations, but remaining below it in Germany, the Netherlands, and also at Turin and Cette. Thermometer rising to above 60° at some places in the far south, and touching 68° at Tunis. Frost at night over these Islands.

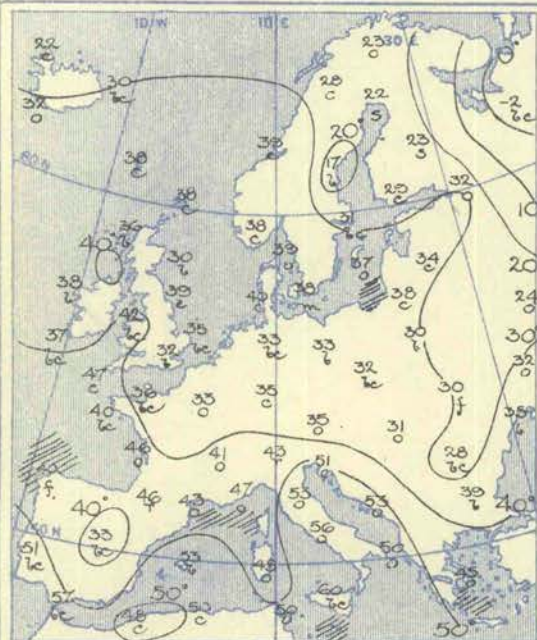
Wind in morning South-Westerly to Westerly over the greater part of the United Kingdom, Germany, and the Baltic, and Easterly over the north of Europe; moderate to light as a whole, but blowing a gale at Hérnösand. Light to strong cyclonic winds prevailing over the Mediterranean region. Veering towards North in the west and north-west of this country by evening but little change occurring generally; gale subsiding at Hérnösand.

Barometer in morning above 30.4 ins. in the north of Russia, and above 30.3 ins. in the south-east of Europe. Below 29.3 ins. in the north-west of Iceland, and relatively low in depressions in other parts of our area. A shallow depression off the west of Ireland moving south-eastward during day, and pressure increasing again in the north and north-west of our Islands, and also in Iceland. Depressions remaining stationary over Scandinavia and the Mediterranean.

Tuesday, 15th March, 1910.

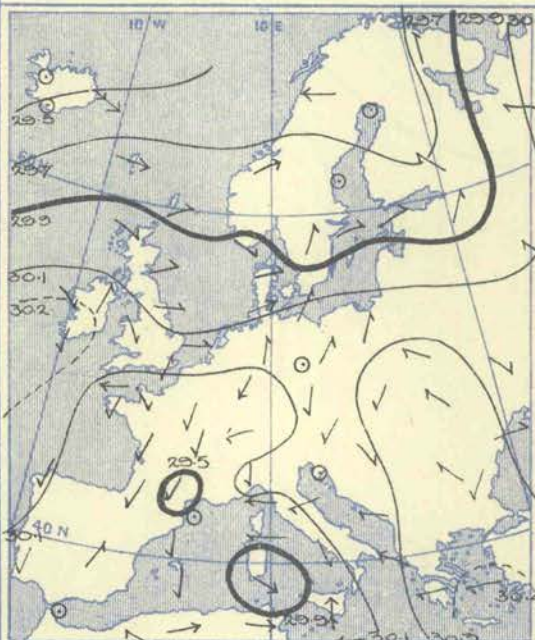
Temperature and Weather.

7 a.m.

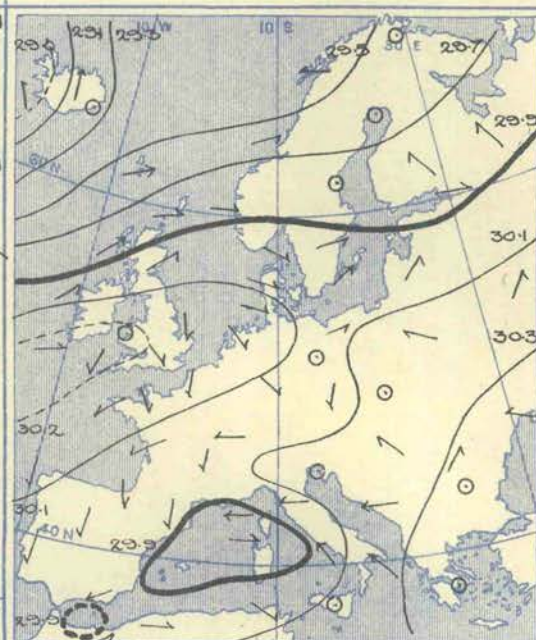


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over most parts of Great Britain, the nearer regions of the Continent, central Europe, and Russia, showery at Malin Head and Pembroke, and rainy, with much cloud generally, in Italy, Corsica, and the south-west of France. Snow falling at some stations in the far north of our area. A little rain later in the Hebrides and Ireland, and large amounts in the south of France, the north of Italy, and also at San Fernando. More than an inch at Cape Sicé, 1.8 in. at Sanguinaire, 3.2 ins. at Turin, and 1.6 in. at San Fernando. Aurora seen at Wick at night.

Temperature fallen generally, risen in Norway. Morning readings ranging from 60° at Palermo, and about 55° at some other southern stations, to below 40° over Europe as a whole, to below 30° over a large area in the north-east and north, and to -2° at Archangel. Maxima during day about 50° over a large portion of these Islands, France, the Netherlands, and central Europe, but above 60° at many places in the far south, and as high as 68° at Palermo and Tunis. Frost at night over England; minimum at Bath as low as 25°.

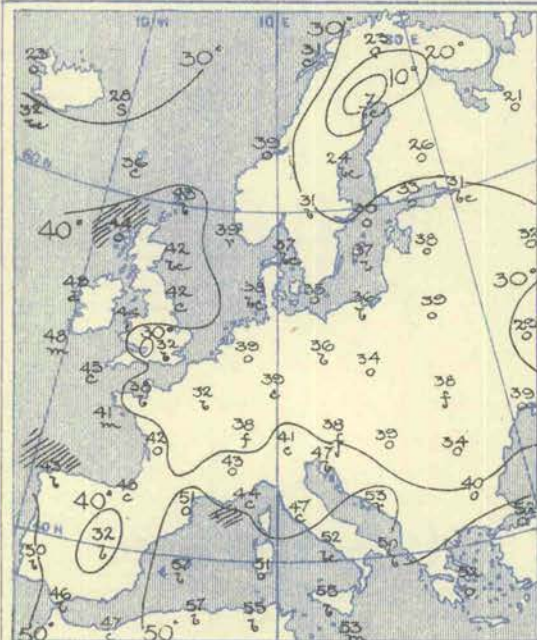
Wind in morning light or moderate from some point between West and South-West at most places over the northern half of our area, but blowing a gale at Seydisfjord. A well-defined cyclonic circulation prevailing in the Mediterranean region, the Southerly current blowing a gale at Palermo. Backing later in the north-west of these Islands and increasing somewhat in force. A calm succeeding the gale at Palermo by evening.

Barometer in morning above 30.3 ins. in the south-east of Europe, and above 30.2 ins. in the western districts of Ireland and over the adjacent portion of the ocean; below 29.9 ins. in a depression covering Sardinia and its vicinity, and below 29.5 ins. over the north and north-west of Iceland. Mediterranean disturbance moving north-westward during day and undergoing some modification in form. A very brisk fall of the barometer setting in in Iceland, and pressure beginning to decrease in the north-west of these Islands.

Wednesday, 16th March, 1910.

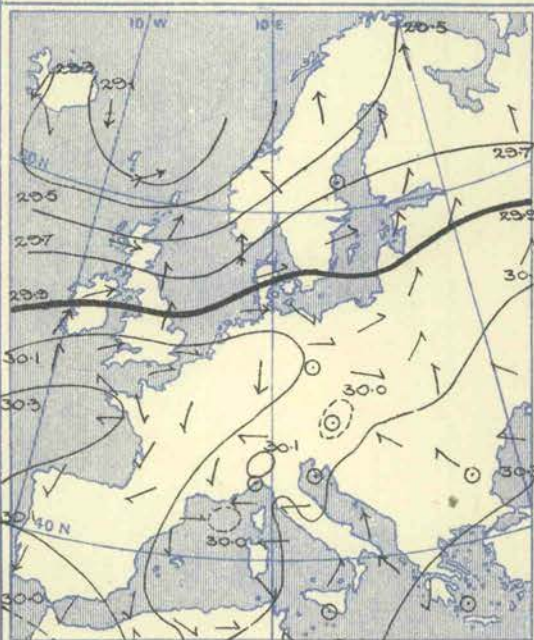
Temperature and Weather.

7 a.m.

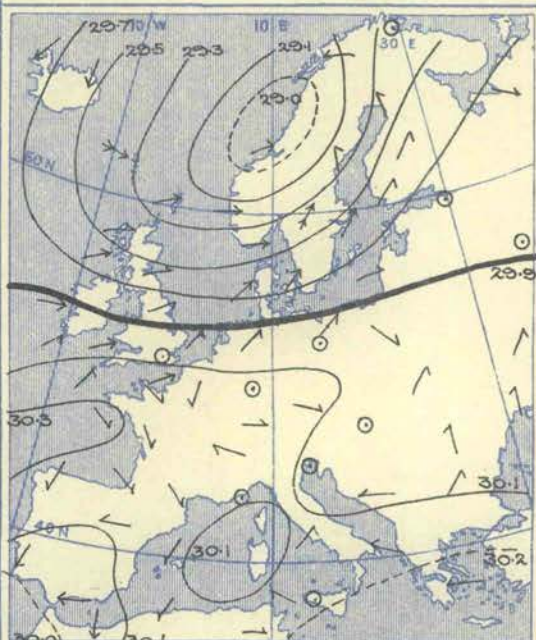


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over most of this country, but showery in some Irish localities. Generally fair to fine on the Continent, but rainy over northern Italy and also at Lesina. Slight rain later over a considerable portion of the United Kingdom, larger amounts in Switzerland and the north of Italy, and also at Malta and Cagliari, and very heavy falls on the shores of the Adriatic; as much as 3 ins. at Trieste.

Temperature risen as a whole, fallen in places. Morning readings ranging from 57° at Algiers and Palma, and above 50° at some other southern stations, to below 40° over the major portion of the Continent, and also at many stations in England, to below 30° at Bath and over a vast area in the east and north of Europe. Rising later to 50° or rather higher in most parts of these Islands, and to 58° at Aberdeen. Maxima below 50° in Germany and also at Turin, but above 60° at several places in the south of our area and at Buda-Pesth, and as high as 73° at Tunis.

Wind in morning strong from the Northward in Iceland, and blowing a gale from the Westward at Thorshavn. Mainly Westerly in these Islands and Southerly or South-Westerly in Scandinavia; high or strong at some of our northern stations, and strong to a gale on the south-west coast of Norway. Cyclonic breezes, light generally, but strong locally, prevailing over the Mediterranean region, and a light to fresh North-Easterly wind in Portugal. Little change later; becoming stronger in the south and east of this country and more generally strong in Scandinavia; gale subsiding at Skudesnaes, but setting in at Karlstad and Wisby.

Barometer in morning above 30.3 ins. off the south-west coast of England and also in the south-east of Russia; below 29.1 ins. in a large depression to the northward of Scotland, and relatively low in a large, ill-defined system over the Mediterranean. Little change later in the general distribution of pressure; northern depression travelling eastward to Norway, and pressure increasing briskly in its rear over Iceland. Barometer beginning to fall rather decidedly over the Baltic region.

Thursday, 17th March, 1910.

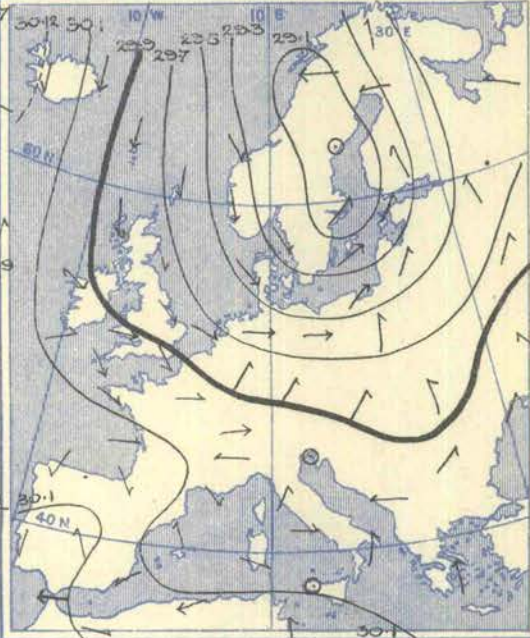
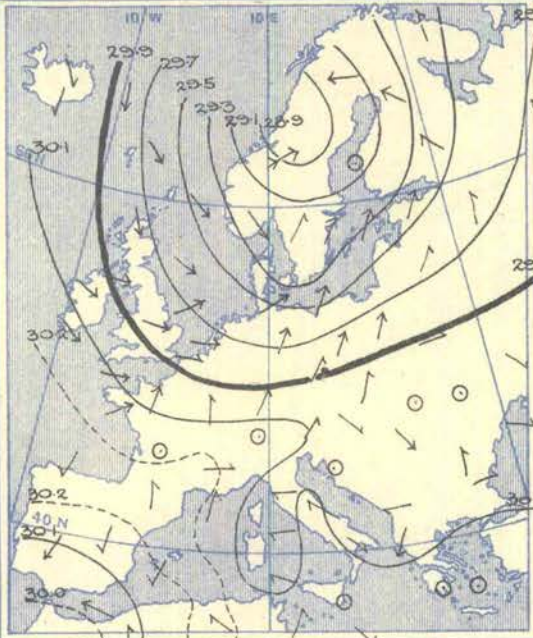
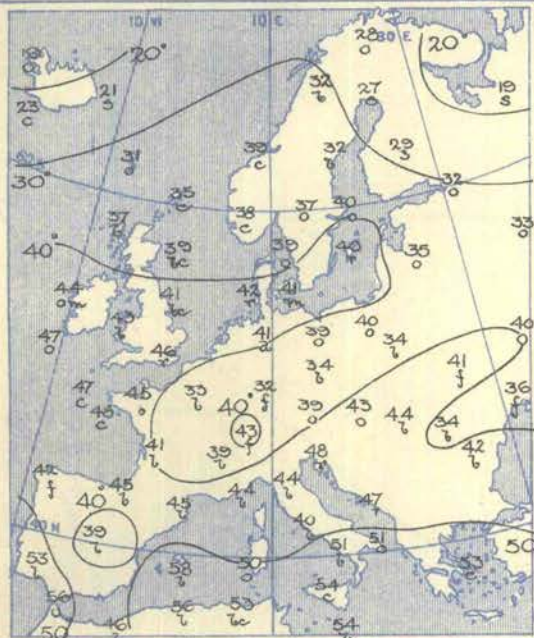
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning changeable, fair to showery, in the United Kingdom, and cloudy or overcast, with rain in places over the Netherlands, Denmark, and Scandinavia; fair or fine in most other regions, but rain falling on the shores of the Adriatic. Some snow falling in Finland and the north of Russia. Rain falling later in nearly all parts of these Islands and the adjacent countries of the Continent, as well as at Lesina and Patras, and snow in Finland.

Temperature fallen in Ireland and Scotland, risen in England, the Low Countries, and Sweden. Morning readings above 50° at a few stations in the far south, and as high as 58° at Palma; below 40° over the Continent as a whole, and also in Scotland, and below 20° in the north of Russia. Maxima during day about 50° in many parts of England and Ireland, the north of France, Germany, and Austria, and between 55° and 65° over a large area in the south of Europe. Thermometer rising to nearly 70° in the extreme south of Spain, and to 73° at Tunis.

Wind in morning between North-West and West over these Islands, and moderate to very strong in force; fresh to strong generally from the South-Westward over the Netherlands, Denmark and the southern half of Scandinavia, with a gale in places; light or moderate from the South-Eastward in the far north. Light airs from various points prevailing over the Mediterranean, but a high wind from the Eastward at San Fernando. No general change later; becoming rather more Northerly in Great Britain.

Barometer in morning above 30.2 ins. on the Atlantic off the south-west of these Islands and in an irregularly shaped band extending thence to Algeria; below 29.9 ins. in a large depression having its minimum over the west of Norway. Some local irregularities existing in other parts of our area. No great modification occurring later in the general distribution; Norwegian depression moving eastward and apparently becoming less deep. Pressure increasing decidedly in Iceland, and decreasing rather briskly over the Baltic region.

Friday, 18th March, 1910.

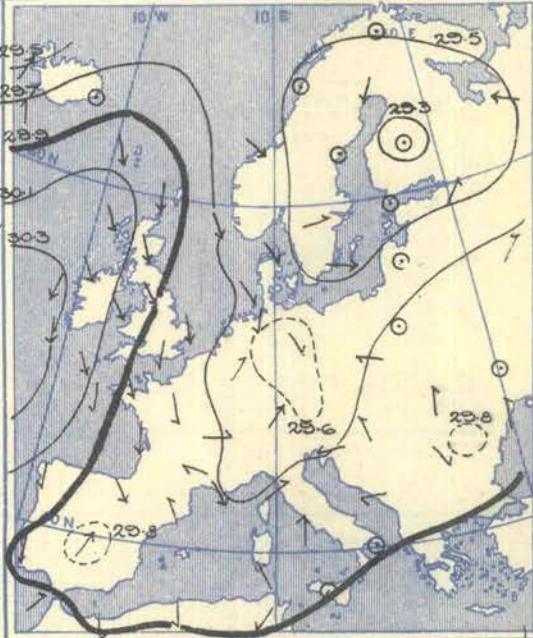
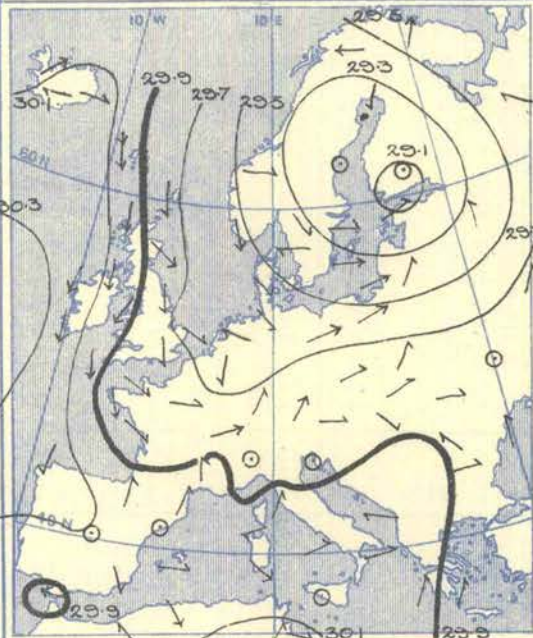
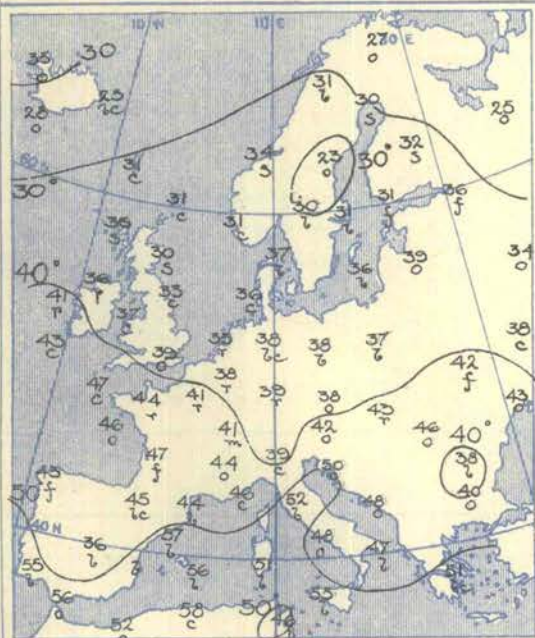
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning very unsettled over these Islands, with snow showers in most parts of Great Britain, and rain showers in Ireland. Rain also over the nearer regions of the Continent, and snow at some places further north, but conditions generally fair to fine over central, southern, and eastern Europe. Snow squalls and showers during day in most parts of Great Britain, the Netherlands, Germany, and the east of France, and rain or snow in Switzerland. Some rain at Bilbao and Biarritz, and slight amounts at Naples and Cagliari.

Temperature fallen generally, risen in France and some parts of central Europe. Morning readings ranging from 58° at Algiers, and 57° at Barcelona to below 40° over the greater portion of our area, to about 32° in Scotland and over a large area in Russia, to 25° at Archangel, and to 23° at Heronsand. Maxima during day only 40° at some of our eastern stations, and below 45° over the Kingdom generally, as well as in various parts of Germany and the Low Countries. Thermometer rising to 70° at Tunis, and to above 60° over a large area in the south.

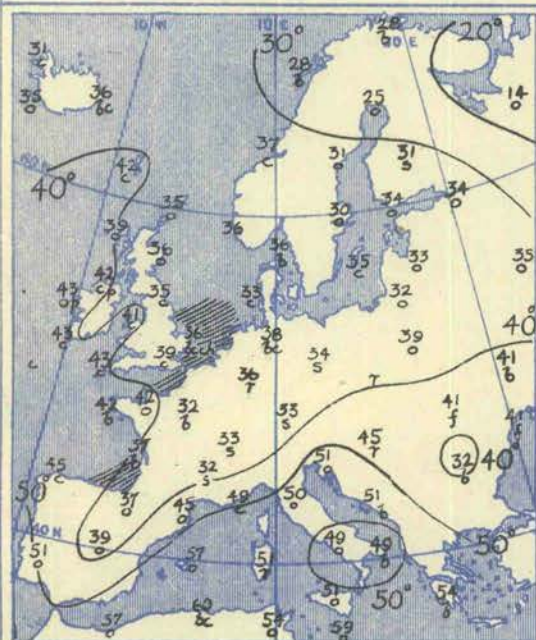
Wind in morning showing an extensive cyclonic circulation over northern Europe. A North current prevailing over these Islands, and blowing freshly or strongly on many parts of the coast; a high wind reported at Spurn Head and Holyhead, and a gale at Thorshavn. Light to moderate winds, mainly from the Westward, prevalent on the shores of the Mediterranean. Increasing to a gale from the Southward later at some places in Iceland, but continuing strong or fresh from the Northward all day in these Islands, and reaching gale force at Dover. Increasing in strength on the coast of Portugal and on some shores of the Mediterranean.

Barometer above 30.2 ins. on the Atlantic off the west and north-west coasts of these Islands; below 29.1 ins. in a depression centred over Finland, and relatively low in a secondary over the Netherlands. Former disturbance decreasing in depth later without materially changing its position, and the latter moving to Germany and becoming rather deeper. A very brisk fall of the barometer occurring in Iceland, amounting to more than 0.5 in. by 6.0 p.m. at Isafjord. A shallow depression appearing over central Spain.

Saturday, 19th March, 1910.

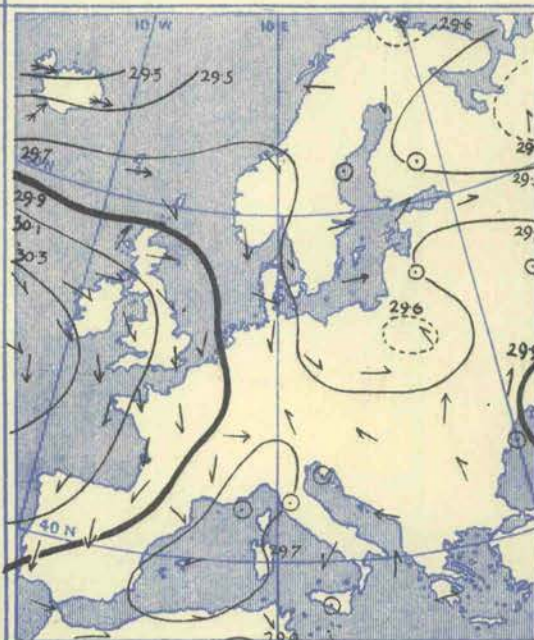
Temperature and Weather.

7 a.m.

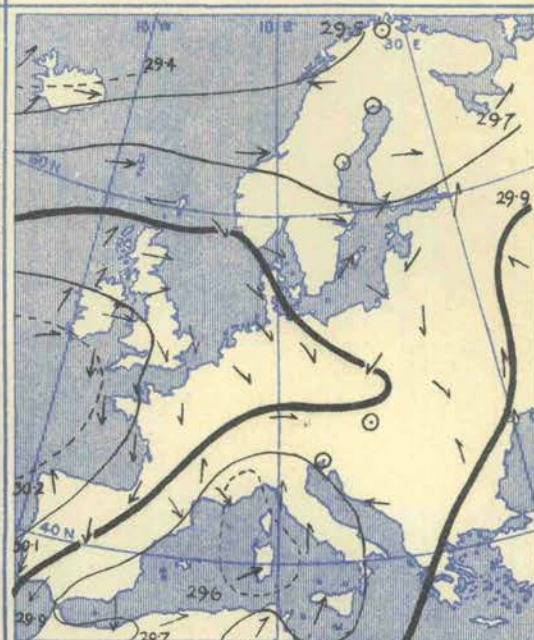


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally cloudy or overcast in these Islands, with showers of rain in the extreme north-west and of rain and snow in the extreme south-east. Rain or snow falling in several parts of Germany and the east of France, and rain at Bilbao, Barcelona, and Cagliari. Conditions on the Continent as a whole varying greatly. Slight rain falling later in various parts of the United Kingdom, and larger quantities in some localities on the Continent; about an inch at Lugano and 1.7 in. at Lesina.

Temperature fallen over a large area on the Continent, risen in many parts of these Islands. Morning readings ranging from about 60° at a few stations in the far south to below 40° over considerable districts on the Continent and in this country, to below 32° in the north-east of Europe generally, and to 14° at Archangel. Maxima during day below 60° in nearly all parts of this country and also over the greater portion of the Continent, but rising to 60° and above in the far south and to 77° at Tunis. Frost at night in central and south-eastern England.

Wind in morning strong to a gale from the Westward in Iceland and light from that quarter in Scotland and the north of Ireland; moderate or fresh from the Northward over England, France, and the North Sea region, and calm or light variable over Russia. An irregular cyclonic circulation of little force prevailing over the western part of the Mediterranean. No change of much importance during day; decreasing in force in Iceland.

Barometer in morning above 30.2 ins. over the western half of Ireland, relatively low in various parts of the Continent, and as low as 29.3 ins. in the north of Iceland. Little modification taking place in the general distribution during day; barometer falling slowly in Ireland and Scotland, rising in the south-east of England and the adjacent part of the Kingdom. A shallow depression over the Mediterranean becoming more clearly defined.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. March 18th, 9.48 a.m. to 11.5 a.m.	Brighton, 115 m.	{	Temperature Humidity .. Wind ..	278° 80% 30°, 5	277° 80% 30°, 9	274° 60% 30°, 10				Metres. 273° 60% 25°, 10	700 { Half overcast. Fr. Cu. not reached.
2	March 17th, 10.15 a.m. to 12.35 p.m.	Brighton, 115 m.	{	Temperature Humidity .. Wind ..	282.5° 80% 310°, 10	281.5° 80% 320°, 12	277° 70% 330°, 13				275° 90% 330°, 11	900 { Half overcast. Fr. Cu. not reached. Convection currents. Gusty wind at all altitudes. Temp. very variable.
3	March 17th, 10.36 a.m. to 11.40 a.m.	Pyrtton Hill, Oxon, 150 m.	{	Temperature Humidity .. Wind ..	282° 60% 315°, 9	281° 60% 315°, 14	278.5° 75% 320°, 15	275° 95% 320°, 17			273.5° 100% 320°, 18	1,200 { Clouds barely reached. Wind direction very variable.
4	March 19th, 10.5 a.m. to 11.45 a.m.	Brighton, 115 m.	{	Temperature Humidity .. Wind ..	277° 90% 360°, 8	276° 90% 360°, 13	273° 90% 10°, 15	270° 100% 20°, 15			269° 90% 40°, 16	1,200 { Clouds at 610 m. and 1,150 m. Gusty wind at all altitudes.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4
No. of Kites ..	1	1	1	1
Area of Surface (metres) ..	7	7	4	7
Length of Wire (metres) ..	1,000	1,300	1,500	1,800

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 12.
Vol. XXVII. (New Series.)

TWELFTH WEEK, SUNDAY, MARCH 20TH, TO SATURDAY, MARCH 26TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 6d.]

I.—General Remarks.

Weather was generally dry, but a good deal of cloud was experienced in Ireland, and the sky was sometimes cloudy or hazy over a considerable area in Great Britain.

Temperature was above the average, except in England S.E., the excess amounting to about 4° in the north and east of Scotland. The highest of the maxima were recorded early in the week very generally, and ranged from 60° in Scotland E., England N.E., and Ireland S. to 55° in England S.E. and to 54° in the English Channel. The lowest of the minima, which occurred on somewhat irregular dates, varied from 21° in England S.W. and 25° in England E. and the Midland Counties to 30° in Scotland N. and to 31° in the English Channel. The lowest grass readings reported were 14° at Cambridge, 15° at Llangammarch Wells, 20° at Hereford and Kew, and 21° at Clacton-on-Sea and Tunbridge Wells.

Mean Temperature of the Sea differed as a rule but little from that of the corresponding week of last year, but was more than 3° higher on the south-east coast of England. The actual means for the period ranged from about 49° at Newquay and 48° at Plymouth to 44° at Margate and Lamlash, and to 41° at Burnmouth.

Rainfall was much less than the average. Over the greater part of England the weather was rainless, and in most parts of Ireland and Scotland less than a tenth of an inch was registered.

Bright Sunshine was much less than the normal in Ireland and rather less in the north and west of Scotland and the north-east and north-west of England. Elsewhere there was a slight excess. The percentage of the possible duration ranged from 54 in the English Channel, 44 in England S.E. and 42 in England S.W. to 24 in Scotland N., 18 in Ireland S., and 14 in Ireland N.

Barometer and Wind.—A large anti-cyclonic system travelling very slowly across these Islands from the Atlantic constituted the chief factor in the pressure distribution throughout the period. The winds were light and at times somewhat variable, but generally there was a current from some Westerly point in the west and north and from North and North-East in the south. At the end of the week the core of the high pressure system had reached the North Sea, and the approach of a shallow depression towards Ireland caused some increase in the force of the wind from the Southward on our extreme western and north-western coasts.

THE WEEK.

DISTRICTS OF THE BRITISH ISLES.													
For explanation of the terms "Unusual," &c., see p. 100.		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Moderate	Unusual	Moderate	Moderate
	Rainfall ...	Very light	Very light	Nought	Very light	Nought	Nought	Very light	Very light	Nought	Light	Very light	Nought
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Scanty	Moderate	Moderate	Scanty	Scanty	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

		0	1	2	3	4	5	6	7	8	9	10	11
SPRING, 3 weeks from March 6th, 1910.	Warmth ...	2*0	2*0	2*0	1*0	2*1	1*1	2*0	2*0	1*1	2*0	0*0	1*0
	Rainfall ...	0*1	1*1	0*2	1*1	0*2	1*2	1*1	0*2	0*2	1*1	1*1	1*1
	Sunshine ...	1*0	0*0	0*0	1*1	1*0	2*1	0*1	1*0	1*0	0*2	1*1	2*1

PAST SEASONS.

		0	1	2	3	4	5	6	7	8	9	10	11
SPRING, 1909. Mar. 7th–June 5th. 13 weeks.	Warmth ...	4*3	5*7	6*2	4*1	6*2	3*4	6*1	6*3	4*4	6*2	4*4	5*1
	Rainfall ...	3*5	8*2	7*5	7*4	6*4	6*3	5*4	6*5	5*4	5*4	6*4	5*4
	Sunshine ...	2*2	3*4	4*5	5*5	6*4	6*4	5*4	7*4	6*4	5*5	6*3	5*5
SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1*7	1*8	2*7	2*9	2*7	2*10	1*7	1*8	2*7	1*5	1*4	2*8
	Rainfall ...	3*5	2*6	5*6	5*3	4*4	5*5	4*4	5*4	4*6	1*5	1*9	2*7
	Sunshine ...	5*3	4*3	1*7	3*6	3*6	4*7	2*4	3*6	4*5	3*5	4*5	4*4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2*6	3*5	2*6	4*5	4*5	3*6	3*7	3*6	3*6	4*7	4*6	3*5
	Rainfall ...	5*7	5*4	1*4	3*1	3*4	5*4	4*5	4*6	4*5	4*7	5*8	5*5
	Sunshine ...	5*2	5*3	3*5	2*6	2*5	3*2	5*5	5*2	4*4	5*2	5*2	4*5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1*5	2*4	3*4	4*2	3*2	5*4	3*4	5*3	4*4	3*6	2*6	4*4
	Rainfall ...	4*2	5*2	5*2	6*1	7*2	5*2	6*1	7*1	7*2	6*3	6*3	5*3
	Sunshine ...	10*2	6*0	4*2	7*2	8*2	8*2	5*1	8*0	6*1	4*4	4*1	3*3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

TWELFTH WEEK—March 20th to March 26th, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH		57	30	49.4	38.2	43.7	+ 3.7	Day-deg. 28	Day-deg. 14	Day-deg. 11	Day-deg. 17	4	- 2	Inches. 0.30	Inches. 0.73	21	- 2	% 24	% 3
Eastern																			
1. SCOTLAND, EAST		60	29	51.8	37.4	44.4	+ 4.2	36	+ 16	13	- 18	1	- 3	0.05	- 0.47	32	+ 5	38	+ 6
2. ENGLAND, N.E.		60	29	52.7	37.2	44.7	+ 3.4	39	+ 17	13	- 12	0	- 4	0.00	- 0.37	30	- 1	35	- 1
3. ENGLAND, EAST		56	25	50.8	34.3	42.3	+ 0.5	35	+ 7	22	- 5	1	- 3	0.01	- 0.36	32	+ 2	39	+ 3
4. MIDLAND COUNTIES		58	25	51.8	35.1	43.2	+ 1.4	37	+ 9	19	- 8	0	- 3	0.00	- 0.37	29	+ 2	35	+ 3
5. ENGLAND, S.E.		55	26	50.9	35.2	42.8	- 0.1	34	+ 6	19	- 1	0	- 3	0.00	- 0.40	37	+ 7	44	+ 8
Western																			
6. SCOTLAND, WEST		57	28	50.2	39.0	44.4	+ 2.9	29	+ 9	8	- 14	1	- 4	0.04	- 0.76	21	- 6	26	- 7
7. ENGLAND, N.W.		57	29	49.6	38.2	43.8	+ 1.9	29	+ 8	11	- 9	1	- 2	0.01	- 0.52	26	- 1	31	- 1
8. ENGLAND, S.W.		58	21	51.3	37.4	44.1	+ 0.8	34	+ 7	13	- 3	0	- 3	0.00	- 0.58	35	+ 4	42	+ 5
9. IRELAND, NORTH		59	29	50.3	38.9	44.4	+ 2.0	30	+ 7	9	- 10	2	- 2	0.15	- 0.47	12	- 14	14	- 17
10. IRELAND, SOUTH		60	29	51.2	40.4	45.6	+ 1.7	32	+ 2	4	- 11	1	- 3	0.09	- 0.57	15	- 14	18	- 17
11. ENGLISH CHANNEL		54	31	51.9	41.3	46.4	+ 0.7	34	+ 2	2	- 4	0	- 4	0.00	- 0.47	45	+ 9	54	+ 11
THE SEASON (Spring).—Aggregates, &c., for the Period of 3 Weeks March 6th, to March 26th, 1910.																			
0. SCOTLAND, NORTH		57	20	*	*	*	*	50	+ 20	66	- 28	16	0	2.66	- 0.46	64	+ 3	27	+ 2
Eastern																			
1. SCOTLAND, EAST		60	24	*	*	*	*	64	+ 19	72	- 31	10	- 2	1.20	- 0.39	77	+ 5	32	+ 2
2. ENGLAND, N.E.		60	28	*	*	*	*	81	+ 26	53	- 30	7	- 4	0.53	- 0.68	83	+ 1	34	0
3. ENGLAND, EAST		58	25	*	*	*	*	81	+ 12	64	- 25	9	- 1	0.84	- 0.20	94	+ 12	39	+ 5
4. MIDLAND COUNTIES		58	24	*	*	*	*	34	+ 14	68	- 21	8	- 1	0.57	- 0.59	88	+ 16	36	+ 6
5. ENGLAND, S.E.		57	26	*	*	*	*	80	+ 9	52	- 16	9	0	1.30	+ 0.05	97	+ 17	40	+ 7
Western																			
6. SCOTLAND, WEST		57	26	*	*	*	*	64	+ 17	46	- 30	11	- 2	1.55	- 0.86	67	- 5	28	- 2
7. ENGLAND, N.W.		57	28	*	*	*	*	64	+ 12	41	- 27	10	- 1	0.97	- 0.63	76	+ 5	31	+ 2
8. ENGLAND, S.W.		58	21	*	*	*	*	77	+ 6	46	- 10	8	- 3	0.90	- 0.92	99	+ 17	41	+ 7
9. IRELAND, NORTH		59	26	*	*	*	*	68	+ 7	44	- 20	12	- 1	1.83	+ 0.04	46	- 23	19	- 9
10. IRELAND, SOUTH		60	27	*	*	*	*	85	+ 5	29	- 21	11	- 1	1.68	- 0.30	67	- 12	28	- 5
11. ENGLISH CHANNEL		56	31	*	*	*	*	106	+ 20	8	- 14	9	- 3	1.66	+ 0.14	111	+ 12	46	+ 5
THE YEAR.—Aggregates, &c., for the Period of 12 Weeks, January 2nd to March 26th, 1910.																			
0. SCOTLAND, NORTH		57	2	*	*	*	*	98	+ 8	453	+ 29	68	+ 6	14.36	+ 0.28	185	+ 36	25	+ 5
Eastern																			
1. SCOTLAND, EAST		60	-10	*	*	*	*	122	+ 9	481	+ 1	53	+ 6	7.24	+ 0.66	230	+ 34	30	+ 4
2. ENGLAND, N.E.		60	6	*	*	*	*	165	+ 30	354	- 30	48	+ 4	4.95	+ 0.35	240	+ 32	31	+ 4
3. ENGLAND, EAST		58	17	*	*	*	*	201	+ 42	313	- 115	49	+ 5	5.19	+ 0.78	280	+ 59	35	+ 7
4. MIDLAND COUNTIES		58	10	*	*	*	*	191	+ 17	357	- 68	50	+ 8	5.84	+ 0.50	257	+ 65	32	+ 8
5. ENGLAND, S.E.		57	13	*	*	*	*	219	+ 30	230	- 97	52	+ 11	7.48	+ 1.78	282	+ 68	35	+ 8
Western																			
6. SCOTLAND, WEST		57	0	*	*	*	*	151	+ 15	337	- 1	58	+ 5	12.87	+ 1.61	197	+ 19	25	+ 2
7. ENGLAND, N.W.		58	7	*	*	*	*	177	+ 31	260	- 59	60	+ 13	9.86	+ 2.59	233	+ 49	30	+ 6
8. ENGLAND, S.W.		58	8	*	*	*	*	237	+ 15	189	- 66	57	+ 10	10.78	+ 1.96	265	+ 48	33	+ 6
9. IRELAND, NORTH		59	7	*	*	*	*	190	+ 13	277	- 4	65	+ 10	11.55	+ 3.23	180	- 7	23	- 1
10. IRELAND, SOUTH		60	18	*	*	*	*	269	+ 3	201	- 14	65	+ 15	12.38	+ 2.85	216	+ 1	27	0
11. ENGLISH CHANNEL		56	28	*	*	*	*	339	+ 34	41	- 60	59	+ 6	10.20	+ 2.77	299	+ 32	36	+ 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

‡ Fog.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.		NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.						Rainfall.			Bright Sunshine.				NAMES OF STATIONS.				
				Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.		Percentage of possible duration.			
							Of Highest each day.	Of Lowest each day.	For whole of each day.									Above 42°	Below 42°	Average.	Average.	Average.
0. SCOTLAND, N.	a, Islands.	p Balta Sound	50	25th	34	21st	47.5	40.1	43.7	—	20	5	0.41	—	13.5	—	16	—	Balta Sound.		
		a Sumburgh Head	53	24th	30	22nd	47.6	34.3	40.8	+ 2.1	16	30	0.26	—	20.1	—	4.8	—	Deerness.		
		a Stornoway	54	20th	37	22nd	49.3	39.7	44.4	+ 4.4	26	6	0.48	—	14.4	—	10.6	—	Stornoway.		
		a Castlebay, Barra Isd.	49	20th	41	20, 21, 22nd	47.1	42.4	44.7	+ 1.8	19	0	0.21	—	12.9	—	—	—	Castlebay.		
	b, Main-land.	a Wick	57	25th	36	20, 21, 22, 23	51.3	37.7	44.3	+ 4.4	34	12	0.18	—	0.32	—	—	—	—		
		p Strathpeffer	56	20th	33	26th	51.4	39.1	45.1	+ 5.8	34	8	0.12	—	0.46	29.2	+ 7.3	35	+ 9	Strathpeffer.	
		p Glencarron	49	20th, 26th	32	26th	47.1	37.9	42.4	+ 3.6	20	11	0.52	—	1.18	—	—	—	—		
		p Fort Augustus	53	24th	32	26th	50.6	38.6	44.4	+ 4.6	31	10	0.29	—	0.49	18.2	—	0.5	22	— 1	Fort Augustus.
	p Fort William	50	24th, 26th	38	22nd, 25th	48.6	40.3	44.3	+ 3.3	23	5	0.22	—	1.22	—	—	—	—			
1. SCOTLAND 'E. ...		p Gordon Castle	59	20th	33	26th	52.9	38.1	45.3	+ 4.5	39	11	0.13	—	0.37	33.3	—	40	—	Gordon Castle.	
		a Nairn	58	20th	31	26th	53.0	37.0	44.8	+ 4.9	41	14	0.14	—	0.26	35.8	—	43	—	Nairn.	
		a Aberdeen	60	20th	36	20th, 22nd	53.6	39.4	46.3	+ 5.9	41	7	0.00	—	0.52	32.2	+ 4.2	38	+ 5	Aberdeen.	
		a Balmoral	51	24th	29	24th	48.9	34.1	41.3	+ 5.1	19	31	0.11	—	0.51	34.7	—	41	—	Crathes S.	
		p Crieff	59	20th	32	22nd	53.6	37.7	45.4	+ 4.9	42	12	0.02	—	0.63	36.5	—	44	—	Bairduddy.	
		a Leith	56	20th	35	20th	53.0	39.6	46.1	+ 4.2	39	7	0.01	—	0.31	26.9	+ 5.1	32	+ 6	Edinburgh.	
		a West Linton	51	20th	31	22nd	48.3	35.6	41.8	+ 3.3	18	26	0.00	—	—	20.0	—	24	—	West Linton.	
		p Marchmont	59	20th	35	22nd	51.1	37.7	44.2	+ 4.9	33	12	0.00	—	0.55	25.0	—	0.3	30	0	Marchmont.
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	58	20th	36	22, 25, 26th	52.8	38.5	45.4	+ 4.9	39	10	0.00	—	0.55	31.3	—	37	—	Cockle Park.	
		a Shields	59	20th	33	22nd, 23rd	52.7	36.4	44.3	+ 3.4	40	16	0.00	—	0.41	15.0	—	8.0	—	Newcastle.	
		p Durham	60	20th	34	22nd	52.6	37.7	44.9	+ 4.7	38	12	0.00	—	0.28	28.6	+ 2.4	34	+ 3	Durham.	
		p Rounton	60	20th	29	22nd	53.0	35.7	44.1	+ 4.0	41	18	0.00	—	0.45	—	—	—	—		
	b, South.	p Scarborough	60	21st	36	20, 21, 22nd	53.7	38.4	45.8	+ 4.3	42	10	0.00	—	0.41	28.7	—	34	—	Scarborough.	
		p York	59	20th	34	22nd	55.0	38.3	46.4	+ 4.6	46	10	0.00	—	0.37	35.5	+ 11.7	42	+ 14	York.	
		a Spurn Head	52	20th	35	20th	49.1	37.6	43.2	+ 1.8	27	12	0.00	—	0.29	—	—	—	—		
		a Lincoln	57	21st	33	20th	52.9	37.8	45.1	+ 3.3	39	12	0.02	—	0.33	25.5	—	30	—	Skegness.	
	a Fulbeck	56	21st	32	20th, 23rd	52.4	35.0	43.4	+ 1.6	39	20	0.07	—	0.27	27.9	—	33	—	Raebely.		
3. ENGLAND, E.	a, North.	p Cromer	52	20th	32	20th	48.5	36.1	42.1	+ 1.2	25	17	0.03	—	—	27.8	—	33	—	Lowestoft.	
		p Hillington	55	21st	27	20th, 23rd	51.8	32.7	42.0	+ 0.5	27	26	0.00	—	0.40	27.8	+ 0.8	33	+ 1	Cromer.	
		a Yarmouth	53	21st	33	20, 21, 23rd	49.0	35.6	42.1	+ 1.4	28	18	0.00	—	0.34	28.9	—	34	—	Hillington.	
		a Norwich	55	26th	29	20th	51.5	34.5	42.8	+ 1.5	37	21	0.02	—	—	—	—	—	—		
	b, South.	p Geldeston	55	21st, 25th	30	20th	52.0	34.9	43.2	+ 1.7	38	20	0.00	—	0.34	36.2	+ 6.5	43	+ 8	Geldeston.	
		p Cambridge	56	21st	25	20th	52.3	32.1	41.9	+ 0.1	29	40	0.00	—	0.30	34.7	+ 5.9	41	+ 7	Cambridge.	
		a Felzestown	54	23rd	30	20th	49.4	35.3	42.1	+ 0.3	29	19	0.00	—	—	46.8	—	56	—	Felzestown.	
		a Clacton-on-Sea	54	23rd	31	20th	50.1	35.3	42.5	+ 1.2	32	19	0.00	—	—	47.1	—	56	—	Clacton.	
4. MIDLAND COUNTIES.	a, East.	a Rothamsted	54	21st	26	20th	51.2	31.8	41.2	+ 0.1	26	40	0.01	—	0.40	32.9	+ 5.5	39	+ 7	Rothamsted.	
		a Shoeburyness	54	21st	31	20th	50.7	35.9	43.1	+ 0.2	33	17	0.00	—	0.25	40.0	—	43	—	Southend.	
		p Tottenham	53	25th	30	20th	50.4	35.4	42.7	+ 0.5	33	18	0.00	—	—	23.4	—	28	—	Tottenham.	
		a Harrogate	55	20th	33	22nd	52.3	37.4	44.6	+ 4.5	38	13	0.00	—	0.47	33.9	—	40	—	Harrogate.	
	b, West.	a Bawtry	56	21st	30	23rd	52.9	34.7	43.5	+ 1.7	41	20	0.00	—	0.33	28.9	+ 4.9	34	+ 6	Workshop.	
		p Buxton	53	26th	28	26th	49.2	33.8	41.3	+ 2.9	20	32	0.00	—	0.30	32.0	—	39	—	Buxton.	
		a Nottingham	57	21st	28	23rd	51.4	34.0	42.4	+ 0.8	36	22	0.00	—	0.35	30.4	—	36	—	Nottingham.	
		a Raunds	56	21st	25	23rd	52.6	31.3	41.6	+ 0.5	29	43	0.00	—	0.40	23.1	—	28	—	Birmingham.	
5. ENGLAND, S.E. ...	a, East.	a Oxford	57	21st	29	23rd	51.7	33.9	42.5	+ 0.2	38	23	0.00	—	0.31	18.7	—	8.3	22	— 10	Oxford.
		a Cheadle	53	26th	30	23rd	49.8	36.0	42.7	+ 2.5	30	17	0.00	—	0.50	25.1	—	30	—	Sheffield.	
		p Shrewsbury	58	20th	29	23rd	52.8	35.9	44.1	+ 1.5	40	17	0.00	—	—	—	—	—	—		
		a Hereford	58	21st	29	26th	52.8	35.1	43.7	+ 1.3	41	19	0.00	—	0.39	—	—	—	—		
	b, West.	a Cirencester	54	21st	32	23rd	49.8	34.9	42.1	+ 1.2	31	20	0.00	—	0.42	27.1	—	0.4	32	0	Cirencester.
		a Bath	56	21st	29	23rd, 26th	52.6	35.1	43.6	+ 1.1	49	19	0.00	—	0.47	32.4	—	39	—	Bath.	
		p Kew	54	23rd	29	20th	51.1	35.6	43.1	+ 0.6	35	18	0.00	—	0.36	28.3	+ 3.1	34	+ 4	Ramsgate.	
		a Marlborough	54	21st	27	23rd, 26th	50.3	32.1	40.9	+ 0.5	23	38	0.00	—	0.52	26.0	+ 1.1	31	+ 1	Kew.	
6.	a, SCOTLAND, W. ...	a Margate	52	21st, 23rd	35	21st	49.8	39.2	44.3	+ 2.3	28	8	0.00	—	0.33	48.5	+ 19.9	58	+ 24	Marlborough.	
		a Wisley, Surrey	54	21st, 23rd	27	20th	51.4	32.9	41.9	+ 1.0	26	37	0.00	—	—	28.2	—	34	—	Wisley.	
		a Swaraton	53	21st	26	20th	50.7	31.4	40.8	+ 0.7	24	41	0.00	—	0.50	34.9	—	42	—	Worthing.	
		a Tunbridge Wells	53	21st, 23rd	28	20th	50.9	34.0	42.2	+ 0.4	35	22	0.02	—	0.46	40.0	+ 11.3	48	+ 13	Tunbridge Wells.	
	b, ISLE OF MAN	p Dungeness	52	23rd, 25th	29	20th	50.0	34.7	42.1	+ 0.2	31	20	0.00	—	0.38	45.5	—	54	—	Littlestone.	
		p Hastings	54	23rd, 25th	35	20th, 23rd	50.7	37.9	44.1	+ 1.4	32	11	0.00	—	0.46	50.5	+ 18.4	60	+ 22	Hastings.	
		p Southampton	55	23rd, 25th	30	20th	52.5	36.6	44.3	+ 0.1	39	15	0.00	—	0.47	30.2	+ 0.4	36	+ 1	Southampton.	
		a Ventnor	53	21st, 23rd	35	20th	50.9	39.4	45.0	+ 0.8	32	7	0.00	—	0.42	39.2	+ 5.4	47	+ 7	Ventnor.	
7.	a, ENGLAND, N.W. ...	a Westminster	55	23rd	30	20th, 21st	51.1	34.0	42.3	+ 0.5	36	22	0.00								

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	41.0	—	Harrogate	2	26	41.2	41.3	6. Dumfries	1	28	41.9	41.4
1. Aberdeen	—	—	—	40.1	Huddersfield	3	27	41.3	40.6	Douglas	1	28	—	—
Crathes	2	27	41.4	39.5	Buxton	4	24	40.5	41.0	Aspatia	2	27	43.4	42.8
Balmoral	4	26	—	—	Sheffield	5	25	41.1	41.1	Newton Rigg	4	22	42.3	41.0
West Linton	3	24	—	—	Nottingham	3	25	41.0	40.7	Burnley	4	23	40.4	41.0
Marchmont	1	30	40.6	—	Birmingham	3	26	41.5	43.0	Southport	3	25	43.8	42.5
Cockle Park	1	27	40.9	40.5	Oxford	6	23	—	—	Manchester City	0	35	41.0	43.0
Durham	1	30	—	—	Hereford	5	20	—	—	Bettws-y-Coed	2	28	41.7	43.0
York	—	—	42.1	41.8	Cirencester	3	27	42.5	43.1	Llangammarch Wells	5	15	41.1	43.7
Hull	4	26	41.0	42.0	Bath	—	—	44.1	44.1	Cardiff	3	23	43.0	43.8
Lincoln	—	—	40.5	41.2	Margate	0	32	42.9	43.2	Clifton	2	27	—	—
Raunceby	6	25	42.4	42.9	Greenwich	6	22	—	—	Plymouth	1	27	44.5	—
Norwich	4	24	—	—	Westminster	5	24	41.8	44.2	9. Armagh	1	28	43.7	43.3
Yarmouth	—	—	42.3	43.9	Kew	5	20	40.7	43.9	Markree	2	27	44.9	44.2
Lowestoft	—	—	—	—	Canterbury	3	23	41.5	—	10. Dublin, Trin. Coll. ..	2	22	44.3	44.6
Cambridge	7	14	42.0	43.3	Tunbridge Wells	4	21	41.8	43.8	11. Guernsey, Brooklyn	0	31	45.1	46.0
Clacton-on-Sea	3	21	43.2	44.8	Wisleigh	6	21	42.7	44.5					
Southend	3	28	43.6	—	Worthing	3	25	42.9	45.3					
Tottenham	6	23	—	43.5	Portsmouth	4	22	—	—					
					6. Glasgow	1	30	—	—					
					Rothsay	—	—	—	42.1					
					Colmonell	2	28	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	43	43	43.0	SCOTLAND, W.	Lamlash	45	43	44.0
	Kirkwall	44	40	42.0		Ballantrae	44	43	43.5
	Wick	43	42	42.9	ENGLAND, N.W.	Port Erin	46	44	44.9
SCOTLAND, E.	Cromarty	45	41	42.5		Newquay	49	48	48.7
	Pennan Bay	43	41	41.7	ENGLAND, S.W.	Plymouth	49	47	47.8
	Aberdeen, Cove Bay	42	40	41.5		Salcombe	47	46	46.6
ENGLAND, N.E.	Burnmouth, Berwick	41	40	41.0		Sheephaven	45	44	44.8
	Scarborough	45	40	42.2	IRELAND, N.W.	Teelin	47	43	45.2
ENGLAND, E.	Shipwash Lightship	44	42	43.1		Cleggan	46	43	44.8
	Margate	46	43	44.1	IRELAND, S.W.	Seafeld	49	45	47.2
ENGLAND, S.E.	Eastbourne	45	44	44.6	IRELAND, E.				

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\longrightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

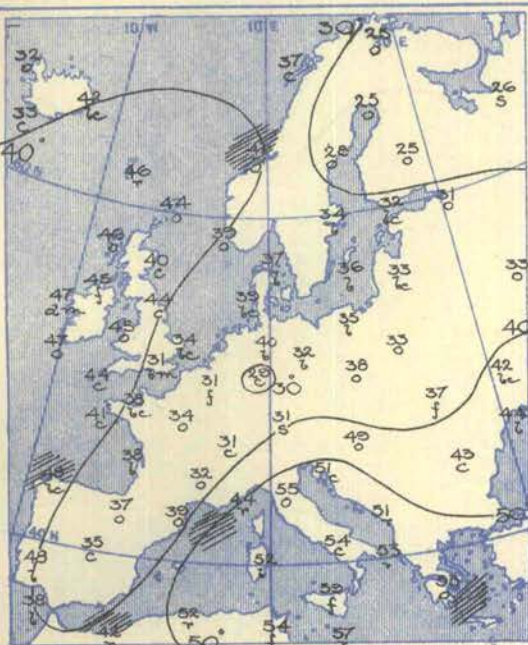
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 20th March, 1910.

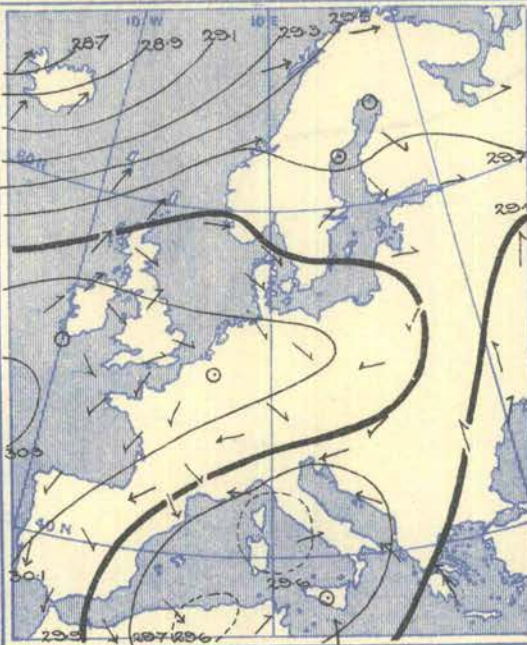
Temperature and Weather.

7 a.m.

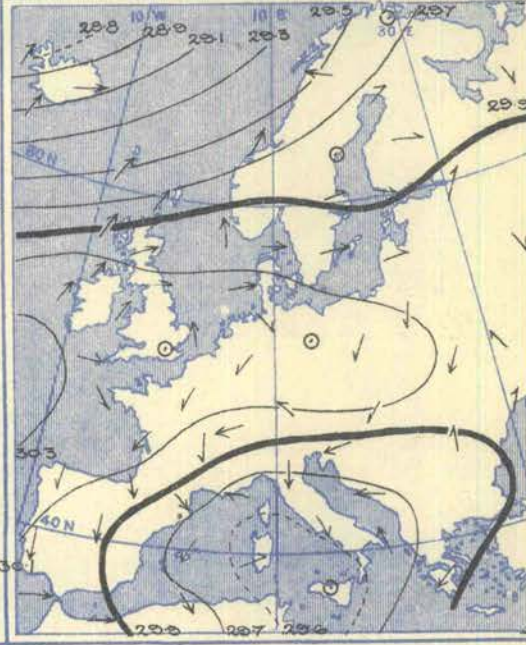


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine and bright over Denmark, southern Sweden, and north Germany, and fair but misty in many parts of England, but cloudy or dull over our area as a whole, with snow at some places in northern and central Europe, and rain in many parts of southern Europe. Small quantities of rain during day on our western and northern coasts, and larger amounts at Christiansund, in Italy, Greece and Algeria; 0.2 in. of snow at Munich.

Temperature risen over the greater part of our Islands, fallen over the south-east of England and over Germany, changed irregularly elsewhere. Morning readings ranging from below the freezing point over northern Sweden and Russia, and about 32° over central Europe, to above 50° over the Mid-Mediterranean countries. Maxima exceeding 50° during day at most of our own stations, and reaching 60° at Aberdeen; between 60° and 65° in many parts of southern Europe.

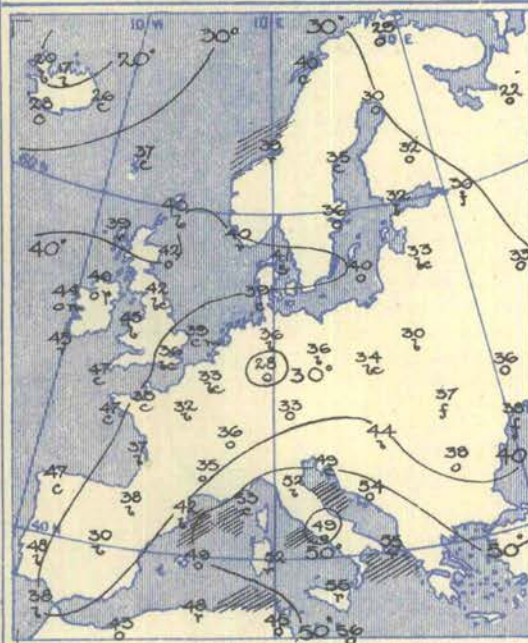
Wind South-Westerly over the greater part of our Islands and the Iceland-Norway region, moderate generally, but a fresh gale in Iceland, North-Easterly over the Channel and Bay of Biscay; very variable over the Continent as a whole, but a cyclonic circulation around the Tyrrhenian Sea. Very little change taking place during day, except a decrease of the Icelandic gale.

Barometer in morning highest 30.2 ins. and upwards in an anticyclone over and off our south-western coasts; lowest 29.6 ins. and less in a depression with two centres over the Mediterranean, and 28.7 ins. and less to the northward of Iceland. Barometric changes during day very slight generally; Icelandic depression passing northward.

Monday, 21st March, 1910.

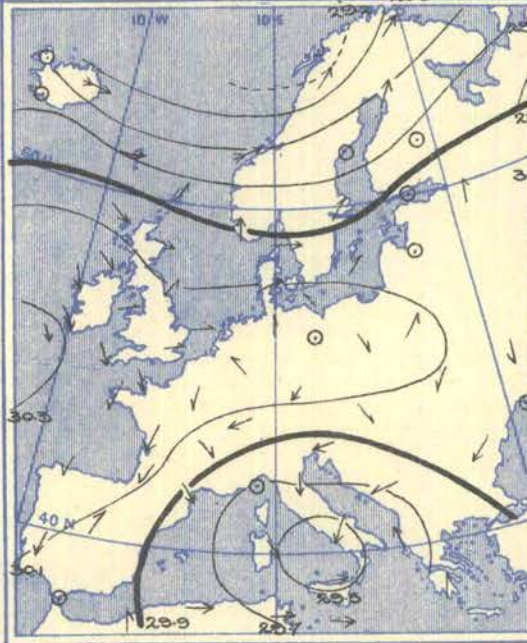
Temperature and Weather.

7 a.m.

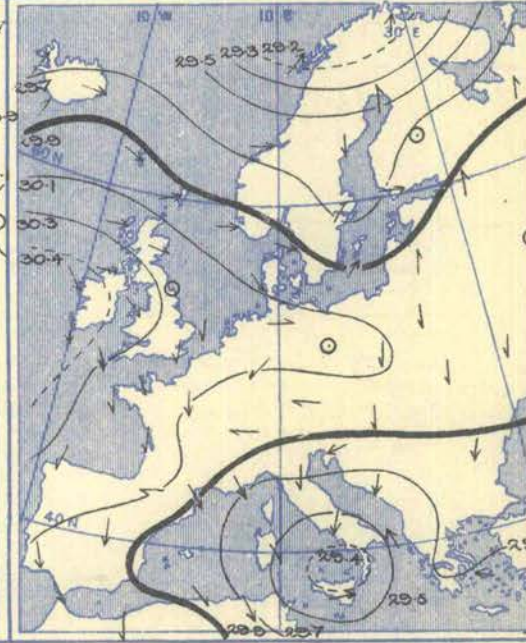


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning showery or rainy in the extreme west and north-west of these Islands and in the west of Norway, and also over a large area of the Mediterranean; fair to fine and bright over our Islands and Europe as a whole. Heavy rain later in some parts of Algeria and Italy, and also in Greece, and some rain or snow in various parts of Scandinavia, Russia, and Finland. As much as 1.7 in. at Algiers and 1.3 in. at Naples.

Temperature changed rather irregularly, fallen in most places. Readings in morning ranging from about 55° at a few stations in the south to below 40° over nearly all the mainland of the Continent, and to below 32° in the far north and also at Cassel. Rising later to 60° at Scarborough and to above 55° at some of our southern and south-western stations, but falling to touch 50° in several Irish localities. Maxima below 50° over a large portion of central Europe, but above 60° at many places in the south. Frost at night in Ireland.

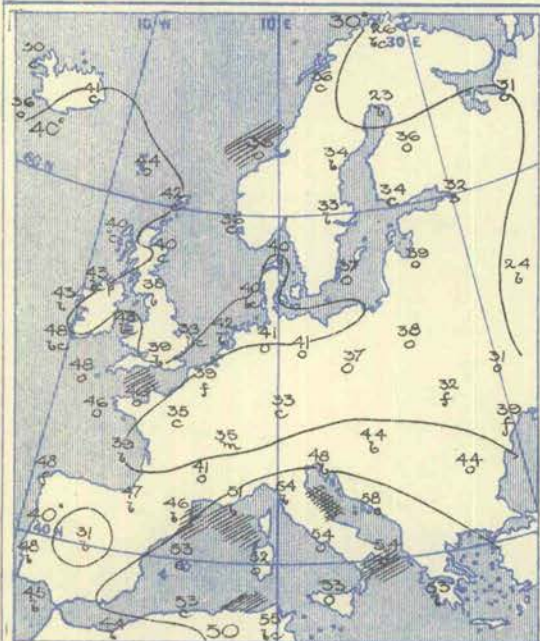
Wind in morning mainly between North-West and South West over the northern half of our area, light or moderate generally, but strong to a gale in Iceland and Scandinavia. A complete cyclonic circulation prevailing over Italy and the Mediterranean region, the Easterly current blowing very strongly over the Adriatic. No change of importance during day; becoming more northerly in the south-east of England.

Barometer in morning above 30.2 ins. in an anticyclonic system extending from the Atlantic to Poland. Below 29.5 ins. in a depression over the Tyrrhenian Sea, and below 29.2 ins. in a large system in the far north of our area. Southern depression maintaining its position during day with very little modification. Pressure increasing in the west and north of these Islands and also over Iceland. Little change occurring in the general distribution.

Tuesday, 22nd March, 1910.

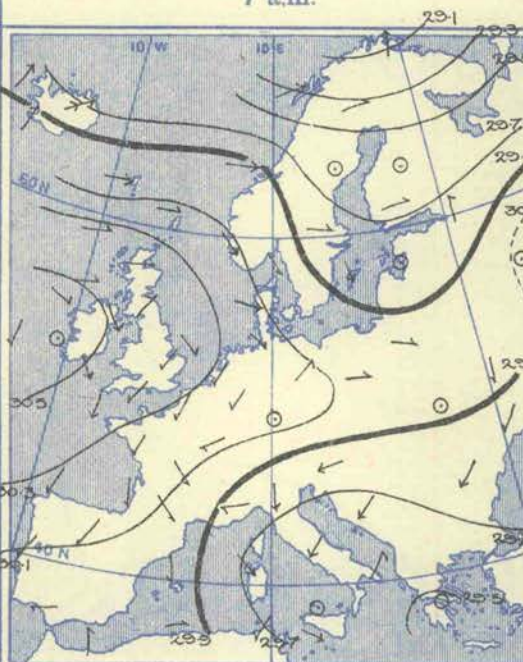
Temperature and Weather.

7 a.m.

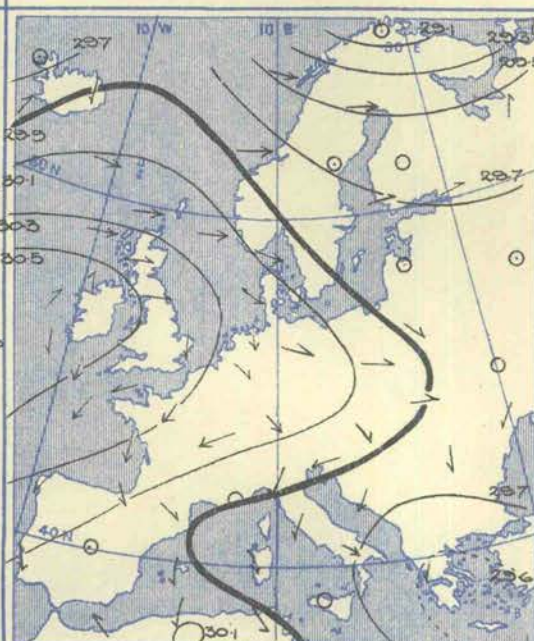


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to very fine over the major portion of our area, but overcast in places, showery at Malin Head, and rainy at Malta. Some rain later on the coast of Algeria and at Naples, and also in a few widely scattered places elsewhere, but continuing dry generally.

Temperature showing little change. Readings in morning ranging from above 55° at a few stations in the far south of our area to below 40° over most of the United Kingdom and the greater part of the Continent, and to below 30° in central Russia and the extreme north of Scandinavia. Maxima during day slightly above 50° at most of our own stations and over the greater portion of France, but a little below that value in Germany. Thermometer rising to 60° and above in the far south of Europe and in Algeria, and touching 66° at Nice and Sfax. Frost at night in central England.

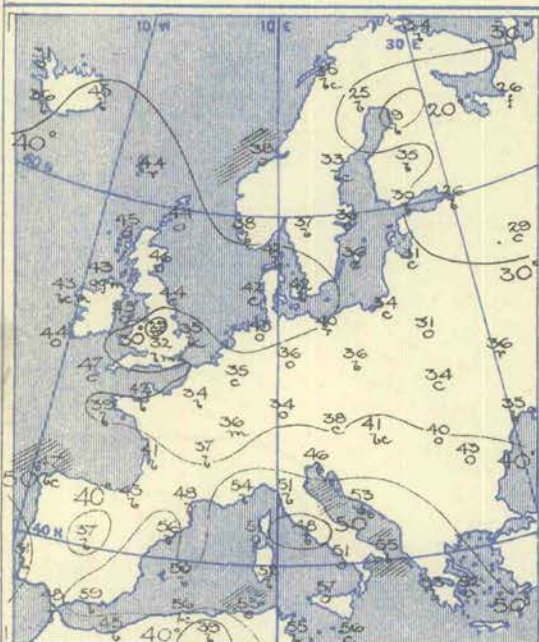
Wind in morning strong to a gale from the Westward in Iceland, and moderate to very strong from West and North-West in Scandinavia and on the Baltic. Light to strong or high winds from some point between North and East prevailing over Italy and the surrounding regions, and feeble anticyclonic breezes between West and North over the United Kingdom. No general change later in day; gale subsiding in Iceland.

Barometer in morning above 30.5 ins. in an anticyclonic system extending from the Atlantic across Ireland. Below 29.1 ins. in the north of Scandinavia, and below 29.5 ins. in Greece. Little change taking place later in the general distribution of pressure over our area. Barometer rising slowly over these Islands and their immediate neighbourhood. A feeble secondary minimum appearing over the Tyrrhenian Sea. Pressure giving way in Iceland.

Wednesday, 23rd March, 1910.

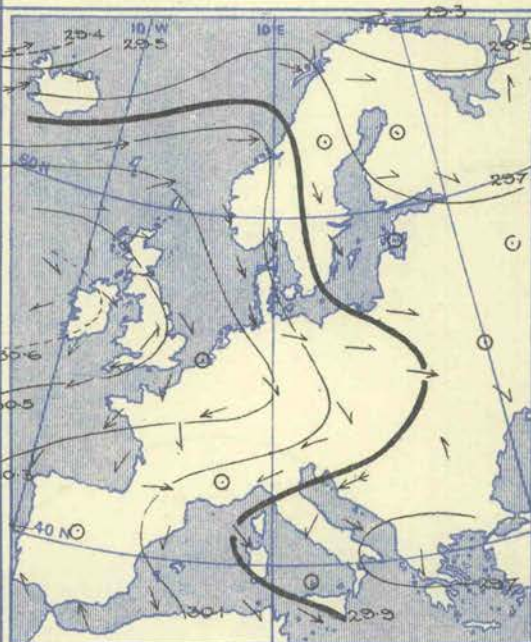
Temperature and Weather.

7 a.m.

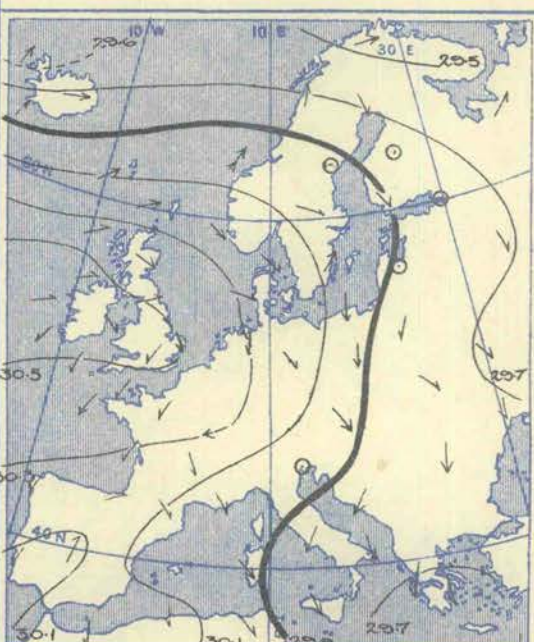


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over a considerable portion of the Continent and in the south-east of England, but overcast in the west and north of these Islands and in places, and rainy at Thorshavn, Cassel, and Kieff. Some rain later in Norway, as well as at a few stations on the shores of the Mediterranean, but weather very dry generally.

Temperature risen in Ireland and Scotland, fallen in England. Morning readings ranging from below 30° over a large area in Russia and also at Nottingham to about 50° on the Riviera and in Italy, to 57° at Palermo, and to 59° at Malaga. Rising subsequently to a few degrees above 50° over most of this country and France, but remaining below it in central Europe. Maxima above 60° in the far south of our area, and above 65° in places.

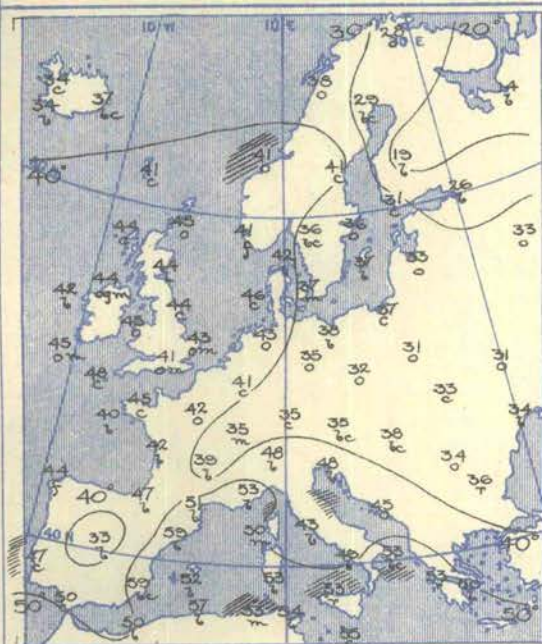
Wind in morning strong to a gale from the Westward in Iceland, and strong to light from the Westward or North-Westward in Scandinavia and Germany. Light from West and North-West in the north and east of these Islands, and light or moderate from the North-Eastward in the south and over France. A cyclonic circulation prevailing over Italy and the Adriatic, the Easterly current blowing a gale at Lesina. Little change later; becoming more Northerly over Italy and its neighbourhood, and gale subsiding at Lesina.

Barometer in morning above 30.6 ins. in Ireland and over the nearer parts of the ocean; below 29.3 ins. in the extreme north of Scandinavia, and relatively low in the southern half of Russia and also in a depression over the Balkans. No important modification occurring in the general distribution, but barometer rising steadily in Iceland and in the far north of the Continent. Depression in the extreme south-east travelling away south-eastward.

Thursday, 24th March, 1910.

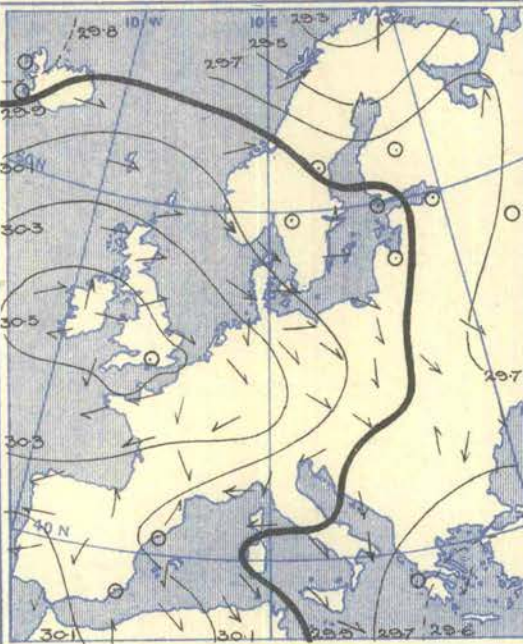
Temperature and Weather.

7 a.m.

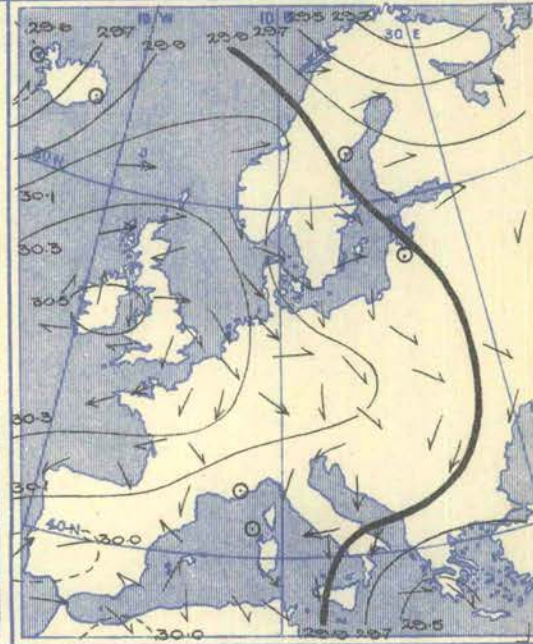


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright generally, but very cloudy or quite overcast in some localities, and rainy at Cassel, and a few southern stations. Some rain falling later in Greece and in some scattered places elsewhere, but conditions continuing dry generally.

Temperature changed little as a whole: risen in most parts of England and France. Morning readings below 20° in some large patches in the far north-east of Europe and below 40° over a very large area; increasing to 50° and above on most shores of the Mediterranean, and to 59° at Barcelona. Maxima during day about 50° in these Islands, but some degrees lower throughout central Europe and also at some stations in the east of France; above 60° at various places in the south of our area, and above 65° in some isolated spots.

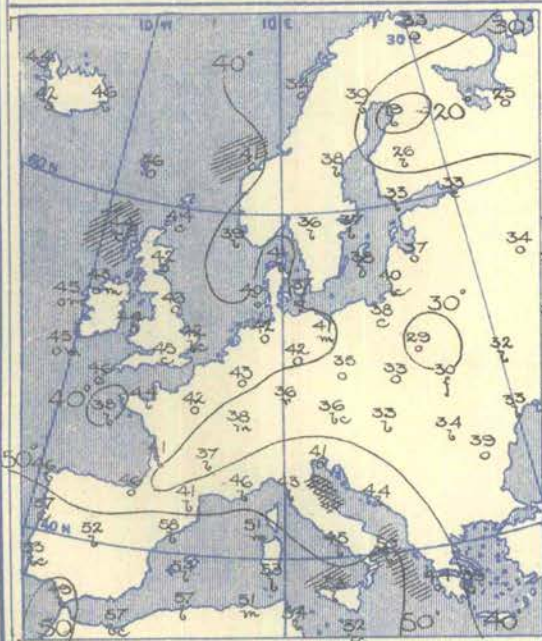
Wind in morning circulating anticyclonically over the whole of the United Kingdom and a large portion of the Continent. A light to moderate breeze from between North-East and North-West prevailing all over the southern countries, and a moderate to strong breeze from the Westward and South-Westward in Norway. Little change of importance during day; Northerly wind increasing to a gale at Brindisi.

Barometer in morning ranging from above 30.5 ins. in a very large high pressure system having its maximum over Ireland and England. Below 29.3 ins. in the far north of Scandinavia, and relatively low in the other extremities of our area. Scarcely any change in the general distribution later, but a depression over Greece and its vicinity increasing in intensity, and a shallow minimum forming over Spain and Portugal. Barometer falling rather decidedly over Iceland during afternoon.

Friday, 25th March, 1910.

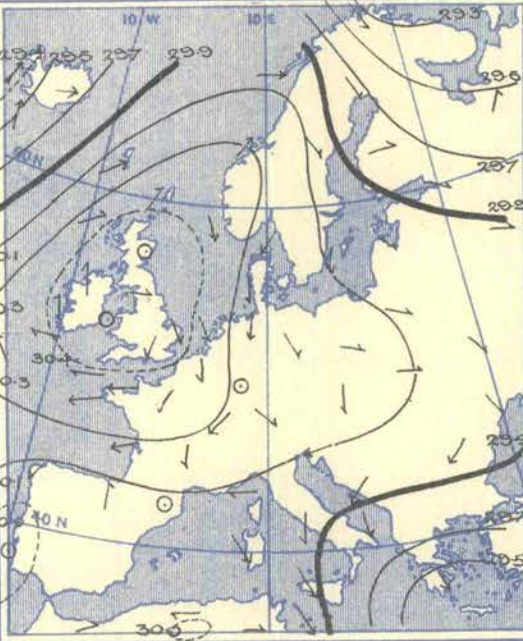
Temperature and Weather.

7 a.m.

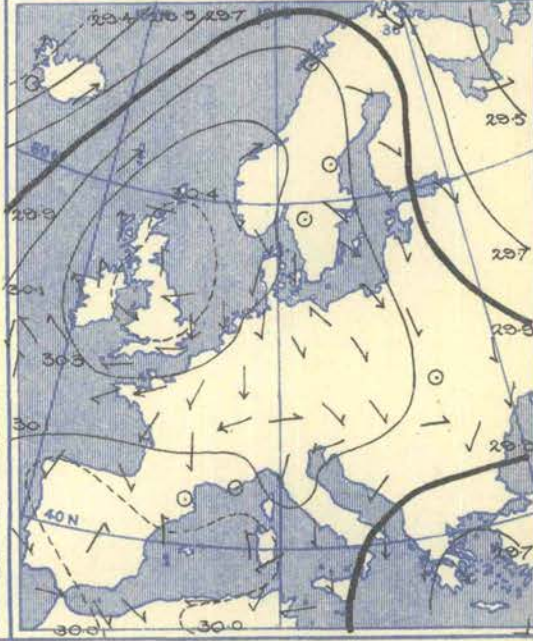


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning overcast in some regions, but fair to fine and bright as a whole; rain falling at Brussels and Cassel. Some rain later at Christiansund and at a few scattered places on the shores of the Mediterranean, but remaining dry generally. Several hours of bright sunshine over the greater portion of England.

Temperature showing no important or general change. Morning readings ranging from 55° or above at some stations in the south of our area, to below 40° over most of the Continental mainland, to below 30° in the north of Russia, and to 19° at Uleaborg. Maxima during day a little above or below 50° over these Islands and the central countries, above 60° at some stations in the south of our area, and as high as 66° in various parts of Spain. Thermometer only reaching 45° at Athens. Slight frost at night in some British localities.

Wind in morning showing a very extensive anticyclonic circulation affecting the whole of this country and a large portion of the Continent. A strong gale from South-West prevailing in the north-west of Iceland, a strong wind from West in the north of Scandinavia, and a strong breeze to high wind from between North-West and North-East over the Adriatic and Italy. No great change later; gales subsiding in Iceland, but a strong gale from North-West setting in at Vardo, and a high wind from that quarter at Athens.

Barometer in morning above 30.4 ins. in an anticyclonic system having its maximum over these Islands and their immediate vicinity; below 29.5 ins. in Greece and also in the west of Iceland and the far north of Scandinavia, and relatively low in Portugal. Scarcely any change taking place in the general distribution during day; anticyclonic centre moving slightly eastward, and a fall of the barometer extending over Iceland and these Islands from the Atlantic. Pressure increasing decidedly in the north of Scandinavia.

Saturday, 26th March, 1910.

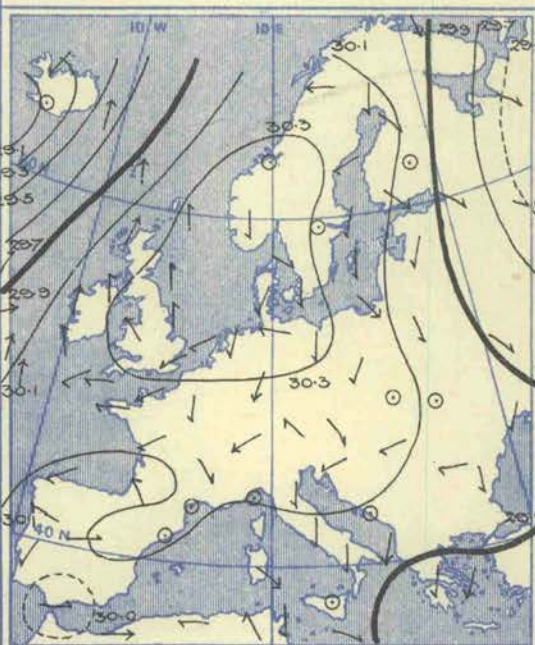
Temperature and Weather.

7 a.m.

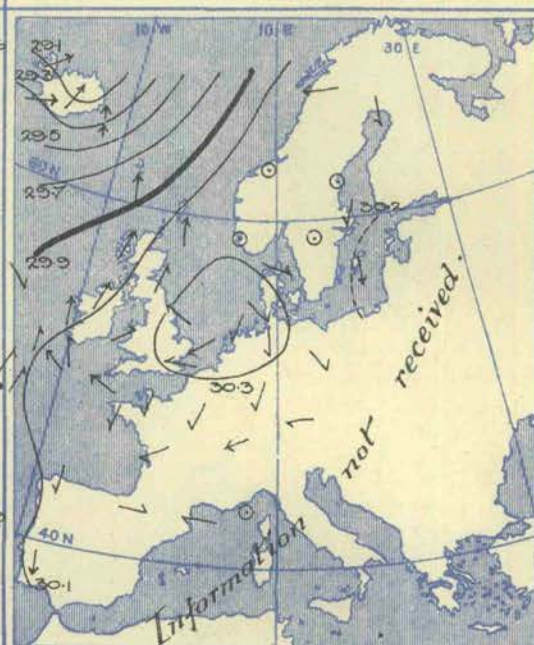


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast in some localities, and snow falling in central and northern Russia, but fair to fine and bright generally. Continuing dry and fair over the greater portion of our area, but rain falling at night in some parts of Ireland and in the Hebrides, as much as 0.5 in. at Valencia.

Temperature fallen somewhat in most regions. Morning readings ranging from about 55° at a few places in the far south, and about 45° in the south-west of these Islands, to below 40° over a very large area, and to below 30° in the north-east of the Continent. Maxima during day below 60° in many English localities, but as high as 54° at Nairn and Leith; Thermometer rising to 57° at Brussels and Biarritz, to 63° at Brest, and to 66° at Rochefort. Rather sharp frost at night in central England, sheltered thermometer falling to 26° at Bath, and 27° at Oxford.

Wind in morning showing a vast anticyclonic movement over the greater portion of our area, very few places reporting a greater force than a gentle breeze. Southerly current fresh to strong on our extreme west and north-west coasts and also in Iceland. Increasing to a gale between West and South by evening over Iceland, and to a high wind from South at Thorshavn. Little change as a whole.

Barometer in morning ranging from above 30.3 ins. in a large high pressure system covering the North Sea and the surrounding regions, to below 29.6 ins. over the north of Russia, and to below 29.2 ins. in the west of Iceland. A shallow depression lying over the south of Spain. A depression travelling eastward later over the Icelandic region and extending somewhat over this country. Anticyclone giving way slightly and receding south-eastward. Pressure increasing again in the south-west of Iceland by evening.

"No Kite Ascents possible at Pyrtion Hill and Brighton owing to lack of wind."

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 13.

THIRTEENTH WEEK, SUNDAY, MARCH 27TH, TO SATURDAY, APRIL 2ND, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was fine and dry over the Kingdom generally, but the extreme north-west experienced some rain early in the period and rain fell over a wide area in Ireland and all the western parts of Britain towards the end of the week. Aurora was seen in Scotland on Sunday and Tuesday, and in several parts of the United Kingdom as far south as Epsom on Monday.

Temperature exceeded the average in Scotland, the north-east of England and the north of Ireland, but was below it generally elsewhere, the greatest differences from the normal being $+2^{\circ}8$ in Scotland N. and $-2^{\circ}0$ in England S.E. The highest of the maxima were generally registered on March 29th and 30th, and ranged from 62° in Scotland E. and Ireland S. to 60° or 59° in nearly all other districts. The lowest of the minima, which occurred on rather variable dates, varied from 20° in England S.W. and 23° in Scotland E. and England N.W. to 30° in Scotland N. and to 36° in the English Channel. The lowest grass readings reported were 11° at Llangammarch Wells, 16° at Southport, Burnley, Cambridge, and West Linton, and 17° at Hereford and Newton Rigg.

Mean Temperature of the Sea. Except at some places on the south-west coasts of Ireland and England the water was warmer than during the corresponding week of last year. The actual means for the week ranged from 49° at Newquay, 48° at Plymouth and Seaford, and 47° at Salcombe and Teelin to between 42° and 43° along the east coasts of Britain generally, and to 41° at Burnmouth.

Rainfall was everywhere much below the average. In England S.E. and the English Channel the week was entirely without rain, and many stations in other districts in Great Britain were also rainless.

Bright Sunshine exceeded the normal throughout the Kingdom, the excess being large in most districts, but slight in Ireland. The percentage of the possible duration ranged from 72 in the English Channel, 64 in England S.W. and N.W. and 60 in England N.E. and S.E. to 37 in Ireland N. and to 36 in Scotland N.

Barometer and Wind.—At the commencement of the week an anti-cyclonic system was passing away eastward, while a large depression was extending over Ireland and Scotland, and causing a Southerly wind in the west and north of these Islands generally. By Monday morning, however, the depression had been superseded by another anti-cyclone, and during the remainder of the week this system, as it extended and moved eastward, was the dominating factor in the pressure distribution. By the end of the week it had lost much of its influence over this country, and the appearance of a shallow depression between Scotland and Iceland was followed by a very brisk fall of the barometer over the United Kingdom generally. The wind was mainly North-Easterly over England, and on Thursday and Friday it blew strongly in the south and south-east, but in the west and north of these islands a light breeze from the Southward was general.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 108.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Moderate	Moderate	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Very light	Light	Very light	Very light	Very light	Nought	Light	Very light	Very light	Light	Very light	Nought
	Sunshine ...	Abundant	Abundant	Abundant	Abundant	Abundant	Very abundant	Abundant	Very abundant	abundant	Moderate	Moderate	Very abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 4 weeks from March 6th, 1910.	Warmth ...	3 * 0	2 * 0	2 * 0	1 * 1	2 * 2	1 * 2	2 * 0	2 * 0	1 * 1	2 * 0	0 * 0	1 * 0
	Rainfall ...	0 * 2	1 * 2	0 * 3	1 * 2	0 * 3	1 * 3	1 * 2	0 * 3	0 * 3	1 * 2	1 * 2	1 * 2
	Sunshine ...	2 * 0	1 * 0	1 * 0	2 * 1	2 * 0	3 * 1	1 * 1	2 * 0	2 * 0	0 * 2	1 * 1	3 * 1

PAST SEASONS.

SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
	Rainfall ...	3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

DISTRICTS. (See Frontispiece map.)		THIRTEENTH WEEK—March 27th to April 2nd, 1910.															
		Temperature.								Rainfall.				Sunshine.			
		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
		Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)						
0. SCOTLAND, NORTH		60	30	50.4	36.5	43.2	+ 2.8	Day-deg. 32	Day-deg. 15	Day-deg. 15	Day-deg. 12	2	- 2	Inches. 0.25	Inches. -0.66	32	+ 4
Eastern																	
1. SCOTLAND, EAST		62	23	52.3	32.9	43.2	+ 1.6	40	+ 18	25	- 4	1	- 3	0.10	-0.39	46	+ 17
2. ENGLAND, N.E.		59	24	51.2	33.3	42.0	+ 0.2	26	+ 3	24	+ 1	1	- 2	0.02	-0.36	53	+ 20
3. ENGLAND, EAST		59	27	49.5	33.6	41.3	- 1.5	21	- 9	33	+ 9	1	- 2	0.02	-0.34	42	+ 9
4. MIDLAND COUNTIES		61	24	52.0	30.9	41.1	- 1.6	28	- 4	43	+ 18	1	- 3	0.02	-0.37	49	+ 18
5. ENGLAND, S.E.		59	25	50.7	33.9	42.0	- 2.0	24	- 8	23	+ 7	0	- 3	0.00	-0.36	52	+ 19
Western																	
6. SCOTLAND, WEST		60	26	51.8	34.1	42.7	+ 0.6	38	+ 16	22	+ 1	2	- 2	0.27	-0.49	37	+ 6
7. ENGLAND, N.W.		59	23	51.2	33.4	42.0	- 0.6	26	+ 2	24	+ 5	2	- 2	0.10	-0.46	56	+ 28
8. ENGLAND, S.W.		59	20	50.9	34.8	42.6	- 1.6	34	+ 2	20	+ 6	1	- 3	0.02	-0.57	56	+ 22
9. IRELAND, NORTH		59	28	51.2	36.4	43.6	+ 0.6	35	+ 9	16	- 2	2	- 3	0.19	-0.46	32	+ 3
10. IRELAND, SOUTH		62	25	52.1	36.0	43.9	- 0.7	39	+ 6	17	+ 3	3	- 1	0.18	-0.50	36	+ 3
11. ENGLISH CHANNEL		60	36	52.3	41.3	46.0	0.0	35	- 2	2	- 2	0	- 4	0.00	-0.47	63	+ 24
THE SEASON (Spring).—Aggregates, &c., for the Period of 4 Weeks, March 6th to April 2nd, 1910.																	
0. SCOTLAND, NORTH		60	20	*	*	*	*	82	+ 35	81	- 40	18	- 2	2.91	-1.12	96	+ 8
Eastern																	
1. SCOTLAND, EAST		62	23	*	*	*	*	104	+ 37	97	- 35	11	- 5	1.30	-0.78	123	+ 21
2. ENGLAND, N.E.		60	24	*	*	*	*	107	+ 29	77	- 29	8	- 6	0.55	-1.04	136	+ 21
3. ENGLAND, EAST		59	25	*	*	*	*	102	+ 3	97	- 16	10	- 3	0.86	-0.54	136	+ 21
4. MIDLAND COUNTIES		61	24	*	*	*	*	112	+ 10	111	- 3	9	- 4	0.59	-0.96	137	+ 34
5. ENGLAND, S.E.		59	25	*	*	*	*	104	+ 1	75	- 9	9	- 3	1.30	-0.31	149	+ 36
Western																	
6. SCOTLAND, WEST		60	26	*	*	*	*	102	+ 33	68	- 29	13	- 4	1.82	-1.35	104	+ 1
7. ENGLAND, N.W.		59	23	*	*	*	*	90	+ 14	65	- 22	12	- 3	1.07	-1.09	132	+ 32
8. ENGLAND, S.W.		59	20	*	*	*	*	111	+ 8	62	- 4	9	- 6	0.92	-1.49	155	+ 40
9. IRELAND, NORTH		59	28	*	*	*	*	103	+ 16	60	- 22	14	- 4	2.02	-0.42	78	- 20
10. IRELAND, SOUTH		62	25	*	*	*	*	124	+ 11	46	- 18	14	- 2	1.84	-0.82	103	- 9
11. ENGLISH CHANNEL		60	31	*	*	*	*	141	+ 18	10	- 16	9	- 7	1.66	-0.83	174	+ 35
THE YEAR.—Aggregates, &c., for the Period of 13 Weeks, January 2nd to April 2nd, 1910.																	
0. SCOTLAND, NORTH		60	2	*	*	*	*	130	+23	468	+ 17	70	+ 4	14.61	-0.38	217	+41
Eastern																	
1. SCOTLAND, EAST		62	-10	*	*	*	*	162	+27	506	- 3	54	+ 3	7.34	+0.27	276	+50
2. ENGLAND, N.E.		60	6	*	*	*	*	191	+33	375	- 29	49	+ 2	4.97	-0.01	293	+52
3. ENGLAND, EAST		59	17	*	*	*	*	222	+33	346	-106	50	+ 3	5.21	+0.44	322	+67
4. MIDLAND COUNTIES		61	10	*	*	*	*	219	+13	400	- 50	51	+ 5	5.86	+0.13	306	+84
5. ENGLAND, S.E.		59	13	*	*	*	*	243	+22	253	- 90	52	+ 8	7.48	+1.42	334	+87
Western																	
6. SCOTLAND, WEST		60	0	*	*	*	*	189	+31	359	0	60	+ 3	13.14	+1.12	234	+25
7. ENGLAND, N.W.		59	7	*	*	*	*	203	+33	284	- 54	62	+11	9.96	+2.13	289	+76
8. ENGLAND, S.W.		59	8	*	*	*	*	271	+17	209	- 60	58	+ 7	10.80	+1.39	321	+70
9. IRELAND, NORTH		59	7	*	*	*	*	234	+22	293	- 6	67	+ 7	11.74	+2.77	212	- 4
10. IRELAND, SOUTH		62	18	*	*	*	*	308	+ 9	218	- 11	68	+14	12.54	+2.33	252	+ 4
11. ENGLISH CHANNEL		60	28	*	*	*	*	374	+32	48	- 62	59	+ 2	10.20	+2.30	362	+55

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

‡ The corresponding value for Report No. 12 slightly altered owing to the receipt of further information.

§ Fog, mist or hoar frost.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *g* is supplied by the Royal Meteorological Society, and for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *m* or *s* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.												
																		Day.	Day.	
0. SCOTLAND, N.	a, Islands.	p Balta Sound	30th	36	28th	47.8	39.3	43.4	—	21	8	0.18	—	17.5	—	20	—	Balta Sound.		
		a Sumburgh Head	30th	31	28th, 1st	47.4	33.4	40.2	+ 0.8	15	32	0.16	- 0.45	32.9	+ 5.2	37	+ 6	Deerness.		
		a Stornoway	29, 30, 1st	35	28th	50.6	40.9	45.6	+ 4.8	30	3	0.34	- 0.50	31.4	+ 3.0	36	+ 3	Stornoway.		
		a Castlebay, Barra Isd.	30th	37	28th	47.4	42.0	44.6	+ 0.9	18	0	0.23	—	30.5	—	35	—	Castlebay.		
		a Wick	29th	32	28th	51.0	36.3	43.4	+ 2.7	34	16	0.27	- 0.21	30.8	+ 6.0	35	+ 7	Strathpeffer.		
		p Strathpeffer	30th	32	29th	52.3	37.0	44.4	+ 3.8	38	14	0.10	- 0.40	30.8	+ 6.0	35	+ 7	Strathpeffer.		
		p Glencarron	30th	32	31st	49.8	36.0	42.7	+ 3.1	30	17	0.43	- 1.15	31.2	+ 10.2	36	+ 12	Fort Augustus.		
		p Fort Augustus	30th	30	28th	51.6	35.4	43.3	+ 2.7	37	18	0.11	- 0.60	31.2	+ 10.2	36	+ 12	Fort Augustus.		
	p Fort William	30th	33	28th, 29th	49.8	36.3	42.9	+ 1.1	30	16	0.36	- 0.96	31.2	+ 10.2	36	+ 12	Fort Augustus.			
1. SCOTLAND E.		p Gordon Castle	30th	33	28th, 2nd	54.2	36.9	45.3	+ 3.6	45	14	0.26	- 0.22	43.3	—	49	—	Gordon Castle.		
		a Nairn	30th	31	28th, 29th	53.7	33.3	43.2	+ 2.3	45	24	0.22	- 0.16	43.0	—	49	—	Nairn.		
		a Aberdeen	29th	33	29th, 2nd	52.3	36.0	43.9	+ 2.6	39	17	0.01	- 0.50	60.0	+ 29.9	68	+ 34	Aberdeen.		
		a Balmoral	29th	25	28th	50.9	30.0	40.1	+ 2.7	25	46	0.04	- 0.56	53.4	—	61	—	Crathes S.		
		p Crieff	29th, 30th	30	28, 29, 2nd	52.9	33.4	42.9	+ 1.1	42	24	0.13	- 0.49	45.2	—	51	—	Balruddery.		
		a Leith	29th	31	1st, 2nd	52.1	34.3	42.9	+ 0.4	39	22	0.00	- 0.31	34.2	+ 10.5	39	+ 12	Edinburgh.		
		a West Linton	29th, 30th	23	29th, 2nd	49.7	27.6	38.3	- 1.0	22	53	0.11	—	36.2	—	41	—	West Linton.		
		p Marchmont	30th	27	1st, 2nd	52.4	31.3	41.5	+ 1.3	29	42	0.00	- 0.54	42.1	+ 14.7	48	+ 17	Marchmont.		
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	29th	24	2nd	51.1	31.3	40.9	- 0.3	25	42	0.02	- 0.50	58.3	—	66	—	Cockle Park.		
		a Shields	30th	29	1st, 2nd	49.7	32.4	40.8	- 1.0	22	37	0.05	- 0.23	34.4	+ 12.1	39	+ 14	Newcastle.		
		p Durham	29th	25	2nd	51.2	30.8	40.7	- 0.5	26	44	0.02	- 0.35	58.1	+ 30.6	66	+ 35	Durham.		
		p Rounton	29th	24	2nd	52.0	30.3	40.8	- 0.2	28	46	0.07	- 0.38	—	—	—	—	Rounton.		
		p Scarborough	29th	32	1st	52.3	36.7	44.3	+ 2.0	38	15	0.00	- 0.41	57.4	—	65	—	Scarborough.		
		p York	30th	26	1st	52.7	33.7	42.9	+ 0.1	41	23	0.04	- 0.34	48.5	+ 22.5	55	+ 26	York.		
		a Spurn Head	27th	37	27, 28, 29, 30, 2	48.9	37.6	43.1	+ 0.8	26	12	0.02	- 0.26	—	—	—	—	Spurn Head.		
		a Lincoln	28th	28	2nd	50.0	33.8	41.7	- 1.1	22	33	0.00	- 0.34	47.2	—	54	—	Skegness.		
	a Fulbeck	30th	28	2nd	52.6	33.4	42.7	- 0.1	41	24	0.00	- 0.36	45.3	—	52	—	Rauceby.			
3. ENGLAND, E.	a, North.	p Cromer	27th, 30th	30	27th	46.1	35.5	40.6	- 1.2	11	24	0.01	—	36.7	—	42	—	Lowestoft.		
		p Hillington	27th	38	30th	50.6	31.4	40.7	- 1.9	24	41	0.01	- 0.39	45.5	+ 16.3	52	+ 19	Cromer.		
		a Yarmouth	28th	32	30th	45.9	35.9	40.8	- 0.9	11	23	0.06	- 0.28	38.9	—	44	—	Hillington.		
		a Norwich	27th	31	30th	50.9	34.4	42.4	+ 0.1	35	21	0.04	—	—	—	—	—	Yarmouth.		
		p Geldeston	27th	30	30th	50.1	34.3	42.0	- 0.5	23	22	0.02	- 0.34	44.1	+ 12.1	50	+ 14	Geldeston.		
		p Cambridge	27th	30	30th	52.0	32.9	42.8	- 2.4	25	46	0.00	- 0.31	44.5	+ 13.2	51	+ 15	Cambridge.		
		a Felixstowe	28th	32	30th	47.0	35.1	40.9	- 1.9	14	27	0.00	—	40.6	—	46	—	Felixstowe.		
		a Clacton-on-Sea	28th	32	30th	47.3	35.9	41.4	- 1.0	15	24	0.00	—	38.2	—	44	—	Clacton.		
	a Rothamsted	30th	28	30th	50.8	31.0	40.6	- 1.8	25	43	0.01	- 0.39	46.1	+ 16.5	53	+ 19	Rothamsted.			
	a Sharnbrook	28th	31	30th	48.7	35.3	41.8	- 2.1	19	27	0.01	- 0.25	37.3	—	43	—	Southend.			
	p Tottenham	30th	30	28th	51.6	33.6	42.3	- 1.2	37	24	0.00	—	44.1	—	51	—	Tottenham.			
4. MIDLAND COUNTIES.	a, East.	a Harrogate	30th	25	1st	50.8	31.3	40.3	- 0.5	25	42	0.03	- 0.44	57.2	—	65	—	Harrogate.		
		a Bawtry	30th	25	29th, 1st	55.1	30.3	42.3	- 0.5	51	33	0.02	- 0.31	42.4	+ 16.7	48	+ 19	Workop.		
		p Buxton	30th	23	29th, 1st	49.6	29.3	39.2	- 0.4	21	43	0.00	- 0.54	59.6	—	68	—	Buxton.		
		a Nottingham	29th	29	29th	51.7	31.9	41.5	- 1.2	27	40	0.02	- 0.32	47.5	—	54	—	Nottingham.		
		p Birmingham, Edgban	30th	31	2nd	50.5	34.2	42.1	- 0.4	33	22	0.05	- 0.36	33.2	—	38	—	Birmingham.		
		a Raunds	28th	24	28th	51.9	28.7	40.0	- 2.4	23	51	0.00	—	—	—	—	—	Raunds.		
		a Oxford	30th	27	27th	52.3	31.4	41.5	- 2.0	29	42	0.00	- 0.31	48.2	+ 19.0	55	+ 22	Oxford.		
		a Cheadle	30th	24	1st	52.6	31.5	41.7	- 1.6	30	42	0.01	—	34.9	—	40	—	Sheffield.		
	p Shrewsbury	30th	28	30th	51.4	31.6	41.2	- 2.3	26	41	0.02	- 0.37	—	—	—	—	Shrewsbury.			
	a Hereford	30th	28	30th	51.2	28.4	39.5	- 2.6	26	52	0.00	- 0.42	50.2	+ 20.4	58	+ 23	Hereford.			
	a Cirencester	30th	24	30th	51.2	28.4	39.5	- 2.6	26	52	0.00	- 0.42	50.2	+ 20.4	58	+ 23	Cirencester.			
	a Bath	30th	26	27th	52.1	29.6	40.5	- 3.1	28	48	0.00	- 0.47	60.8	—	70	—	Bath.			
5. ENGLAND, S.E.		p Kew	30th	31	30th	50.7	34.0	42.1	- 1.7	34	22	0.00	- 0.36	36.3	+ 8.3	42	+ 10	Ramsgate.		
		a Marlborough	30th	25	27th	51.6	29.5	40.2	- 1.5	27	48	0.00	- 0.50	52.2	+ 25.1	60	+ 29	Marlborough.		
		a Margate	28th	36	31st	48.0	38.0	42.9	- 0.4	23	11	0.00	- 0.32	42.0	+ 11.0	48	+ 13	Margate.		
		a Wisley, Surrey	27th	26	30th	51.7	31.0	41.0	- 3.0	27	43	0.00	—	51.0	—	59	—	Wisley.		
		a Swarston	30th	26	30th	51.8	30.0	40.6	- 2.2	27	47	0.00	- 0.48	62.3	—	72	—	Worthing.		
		a Tunbridge Wells	27th	29	30th	49.7	33.9	41.6	- 1.5	22	32	0.00	- 0.46	49.2	+ 17.9	57	+ 21	Tunbridge Wells.		
		a Dungeness	28th	30	28th	48.7	35.4	41.9	- 1.3	19	27	0.00	- 0.35	46.7	—	54	—	Littlestone.		
		p Hastings	28th	32	30th	49.8	35.2	42.3	- 1.8	31	19	0.00	- 0.44	54.4	+ 30.0	63	+ 23	Hastings.		
	p Southampton	28th, 30th	31	30th	53.4	34.1	43.5	- 2.3	44	22	0.00	- 0.47	61.4	+ 29.1	71	+ 34	Southampton.			
	a Ventnor	30th	35	1st	51.1	37.7	44.2	- 1.0	33	12	0.02	- 0.39	66.7	+ 30.4	77	+ 35	Ventnor.			
LONDON		a Westminster	30th	32	27th, 28th	51.7	33.6	42.4	- 1.4	38	24	0.00	- 0.36	31.6	+ 12.0	36	+ 14	Westminster.		
		a Greenwich	27th, 30th	30	30th	52.0	33.5	42.5	- 2.1	39	24	0.00	- 0.36	46.8	+ 20.4	54	+ 24	Greenwich.		
6. a, SCOTLAND, W.		a Landale	29th, 30th	30	29th, 31st	51.9	34.4	42.9	+ 1.0	38	21	0.27	- 0.45	—	—	—	—	Landale.		
		a Poltalloch	30th	33	29th, 1st															

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	42.5	—	Harrogate	5	18	42.0	42.5	6. Dumfries	5	23	42.4	42.4
1. Aberdeen	—	—	—	41.1	Huddersfield	5	18	42.0	41.2	Douglas	4	29	—	—
Crathes	5	20	41.5	40.8	Buxton	5	18	41.9	41.4	Aspatia	5	18	44.0	43.4
Balmoral	6	21	—	—	Sheffield	6	17	42.0	41.8	Newton Rigg	7	17	42.8	41.8
West Linton	6	16	—	—	Nottingham	5	26	41.3	41.8	Burnley	5	16	40.7	41.3
Marchmont	6	19	40.7	—	Birmingham	4	26	41.6	43.3	Southport	6	16	42.4	43.2
Cockle Park	3	21	40.1	41.6	Oxford	6	23	—	—	Manchester City	0	34	41.3	43.1
Durham	5	20	—	—	Hereford	7	17	—	—	Bettws-y-Coed	3	24	41.0	43.0
2. York	—	—	43.3	42.7	Cirencester	6	23	42.4	43.5	Llangammarch Wells	5	11	41.9	43.7
Hull	4	22	43.4	42.4	Bath	—	—	—	—	Cardiff	5	21	43.4	44.4
Lincoln	—	—	43.1	42.3	Greenwich	7	23	—	—	Clifton	5	25	—	—
Rauceby	6	25	44.3	43.4	Westminster	7	24	—	—	Plymouth	5	23	44.8	—
3. Norwich	4	29	—	—	Kew	6	23	42.0	44.4	9. Armagh	5	25	43.7	44.1
Yarmouth	—	—	43.6	45.0	Canterbury	4	27	43.1	44.3	Markree	4	24	45.9	44.8
Lowestoft	0	31	43.3	43.4	Tunbridge Wells	5	22	42.9	—	10. Dublin, Trin. Coll. ..	6	18	44.0	45.1
Cambridge	7	16	42.7	44.0	Wisley	7	23	42.1	44.3	11. Guernsey, Brooklyn	0	32	46.4	46.6
Clacton-on-Sea	3	28	44.3	45.5	Worthing	3	24	43.4	44.9					
Southend	2	29	44.4	—	Portsmouth	3	24	44.0	45.9					
Tottenham	7	25	—	43.9	Glasgow	4	25	—	—					
					Rothsay	—	—	—	43.0					
					Colmonell	5	25	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	44	43	43.3	SCOTLAND, W.	Lamlash	45	45	45.0
	Kirkwall	44	42	43.1		Ballantrae	45	43	43.9
	Wick	44	43	43.5	ENGLAND, N.W.	Port Erin	46	44	44.7
SCOTLAND, E.	Cromarty	44	42	43.4		Newquay	49	49	49.0
	Pennan Bay	46	41	43.3	ENGLAND, S.W.	Plymouth†	49	47	48.2
	Aberdeen, Cove Bay	42	42	42.0		Salcombe	49	46	47.1
ENGLAND, N.E.	Burnmouth, Berwick	41	41	41.0		Sheephaven	47	45	46.6
	Scarborough	44	41	42.4	IRELAND, N.W.	Teelin	50	45	47.0
ENGLAND, E.	Shipwash Lightship	43	42	42.7		Cleggan	48	44	46.0
	Margate†	47	44	45.5	IRELAND, S.W.	Seahfield	49	46	47.8
ENGLAND, S.E.	Eastbourne†	46	42	44.9	IRELAND, E.				

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type. Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: $\rightarrow$ = blue sky; $\rightarrow$ = detached cloud; $\rightarrow$ = overcast; $\rightarrow$ = misty (hazy); $\rightarrow$ = foggy; $\rightarrow$ = squally; $\rightarrow$ = rain; $\rightarrow$ = hail; $\rightarrow$ = snow; $\rightarrow$ = lightning; $\rightarrow$ = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 3.36 a.m. in Portugal; and at 8 a.m. in Spain.

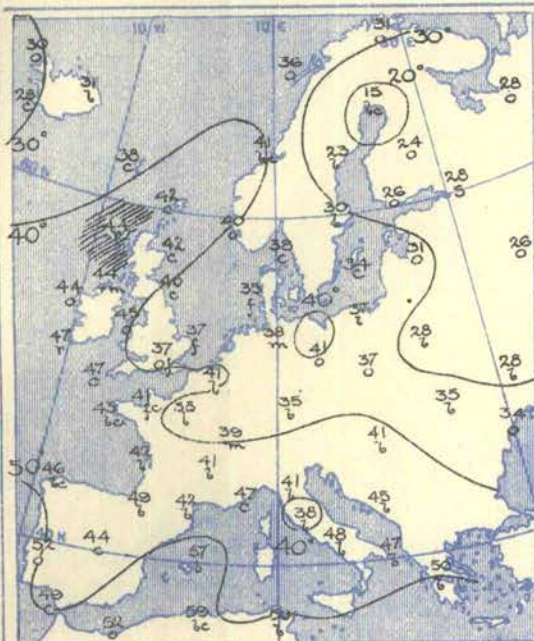
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 27th March, 1910.

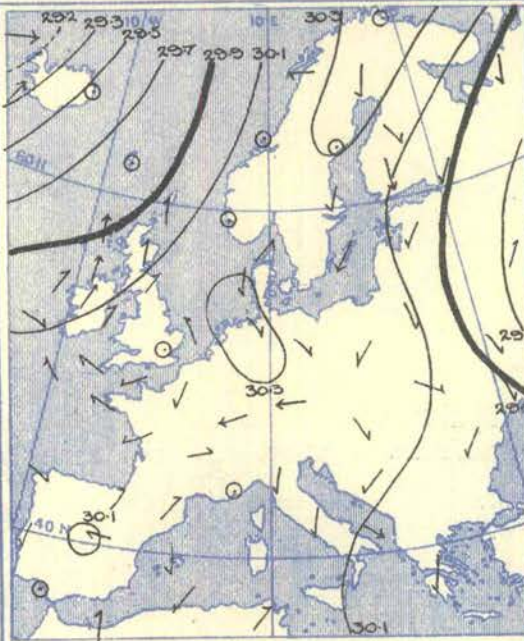
Temperature and Weather.

7 a.m.

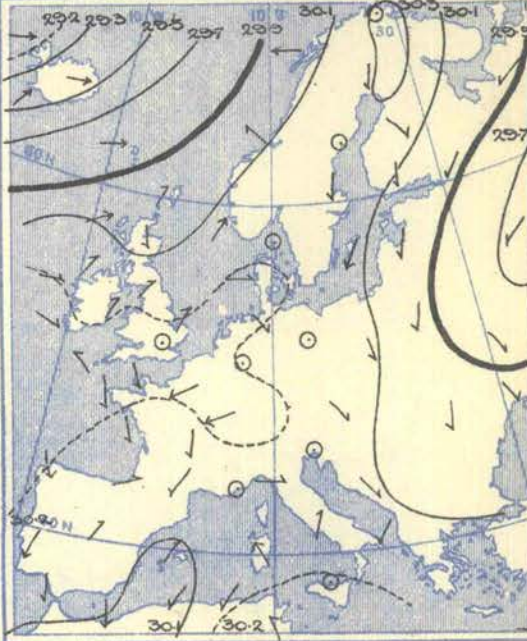


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very fine to fair over our area as a whole, but rainy in the Hebrides and some parts of Ireland, and misty or foggy in some English localities and also in Holland and on the north coast of France. Some rain later at many stations in the north and west of these Islands, but conditions continuing fine generally. Aurora seen at Aberdeen at night.

Temperature risen in Ireland and Scotland, fallen in England, France, and Scandinavia. Morning readings 59° at Barcelona and Algiers, and above 50° at some other southern stations, but only 38° at Rome; below 40° over the greater portion of our area, below 32° in some parts of the English Midlands, and over the east and north-east of the Continent. Lowest value, 15° at Haparanda. Rising later to between 50° and 54° in most parts of this country, to above 60° over most of France and southern Europe, and to above 70° in the interior of Algeria.

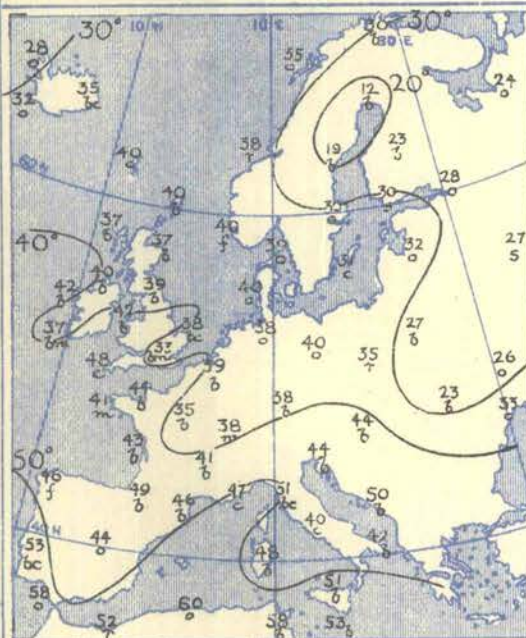
Wind in morning Southerly and South-Westerly over our western and northern districts and thence to Iceland, mainly Northerly over Sweden, Finland, and Russia, and light and variable over the Mediterranean and Italy. Increasing to a gale later at Reykjavik, and veering to the Northward in Ireland, but little change over our area generally.

Barometer in morning ranging from 30.2 ins. to above 30.8 ins. in a very large area extending from the Arctic regions of Scandinavia as far south as the Bay of Biscay, to below 29.7 ins. over a large area in Russia, and to below 29.2 ins. in a depression between Iceland and Greenland. Little change taking place later in the general distribution of pressure over Europe as a whole, but a very shallow "V-shaped" depression appearing over this country, and a fresh rise of the barometer setting in in its rear over Ireland.

Monday, 28th March, 1910.

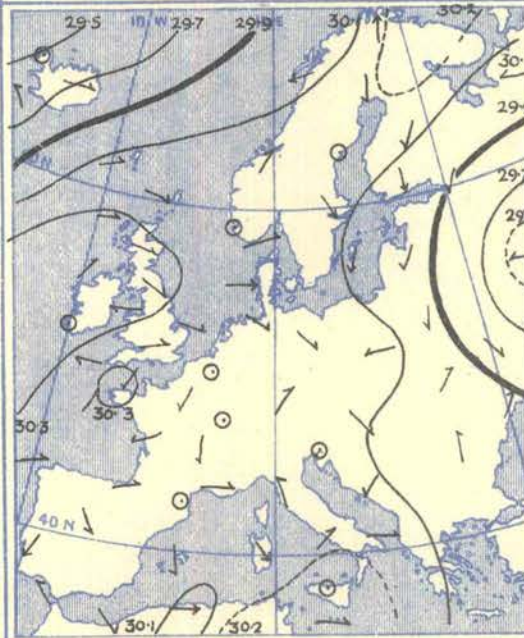
Temperature and Weather.

7 a.m.

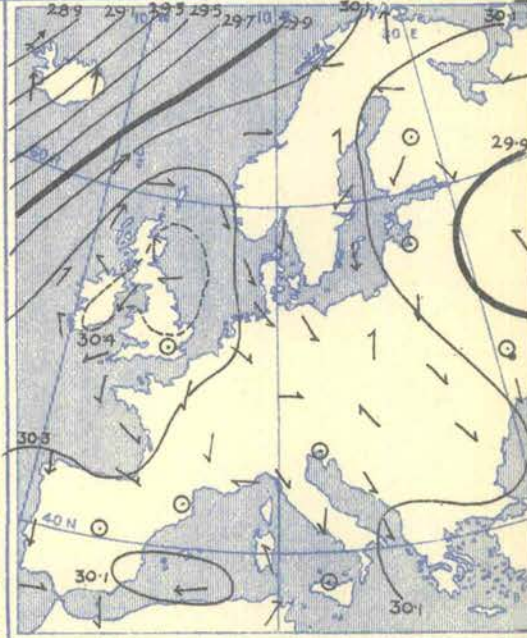


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine generally, but overcast in many places. Drizzling rain falling at Pembroke and Nottingham, rain at Breslau, Christiansund, Oporto, and Nemours, and snow at a few places in the north-east of our area. Generally fine and dry during day, but some precipitation occurring at Nemours and Oran, and slight amounts at isolated spots elsewhere. Bright aurora at night over Scotland, some parts of Ireland, and in the north-east, east, and south-east of England.

Temperature fallen at most of our own stations and in northern Europe. Morning readings ranging from 60° at Algiers, and above 55° at some other extreme southern stations, to below 40° over Europe as a whole, to below 32° at Bath and over the north-east of our area, and to 12° at Haparanda. Rising later to 60° at Jersey, to about 57° in the south-west and south-east of England and also in Ireland, but remaining below 50° in some parts of these Islands. Maxima above 60° over a large area in the Mediterranean region, and as high as 72° at Tunis.

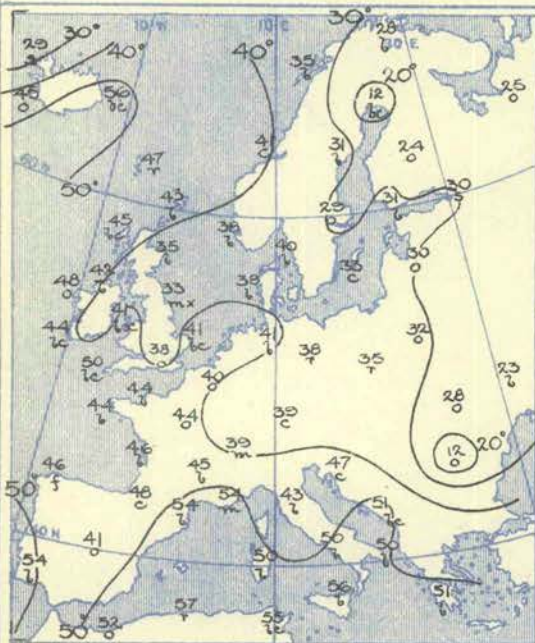
Wind in morning showing an extensive anticyclonic circulation over these Islands and the western countries of the Continent, and light cyclonic breezes in other parts of our area. Increasing to a gale from the Southward and South-Westward later over the Icelandic region, and to a fresh breeze at Stornoway. Little change elsewhere.

Barometer in morning above 30.3 ins. in the central portion of an anticyclone extending over the United Kingdom from the Atlantic, and above 30.2 ins. in the extreme north of the Continent. Below 29.6 ins. in a large depression centred over Russia, and also over the west of Iceland. Pressure increasing decidedly later in the former region, but decreasing quickly in the latter, and gradient growing steep over Iceland and between that Island and Thorshavn. Barometer rising over the United Kingdom and the North Sea.

Tuesday, 29th March, 1910.

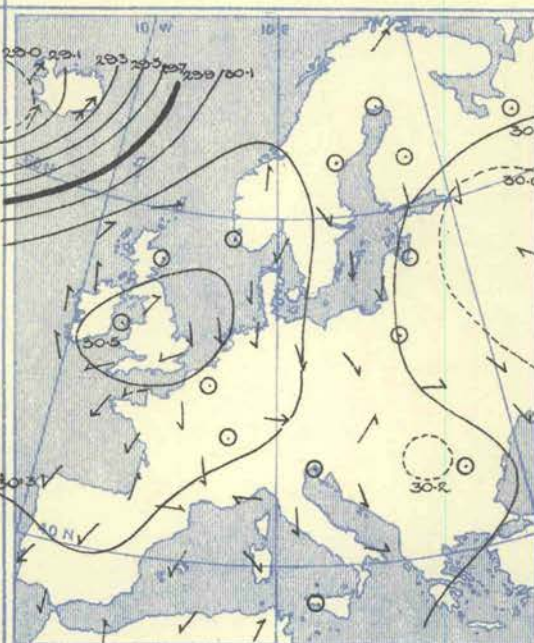
Temperature and Weather.

7 a.m.

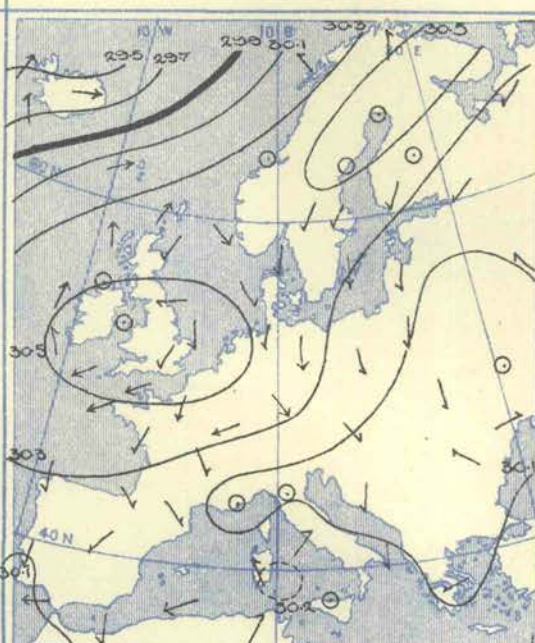


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning unsettled, with some rain and snow in various parts of central Europe and Russia, but fair to fine over our area as a whole. Some snow later over a considerable area in central Europe, but measurements not large. Aurora observed at night in some parts of Scotland.

Temperature changed rather irregularly. Morning readings ranging from 63° at Barcelona, and above 50° over a large area in the south, to below 40° over the major portion of the United Kingdom and the mainland of Europe, and to 12° both at Haparanda and Hermanstadt. Maxima during day as high as 59° at Birr Castle and in the east of Scotland, but only 50°, or even below, in the south and south-east of England. Thermometer remaining below 40° in some parts of Germany and Poland, but rising above 60° very generally in the south of our area, and touching 65° at Barcelona, and 69° at Perpignan. Frost at night in many parts of England.

Wind in morning light and anticyclonic over these Islands, France, and Scandinavia, and light cyclonic over the east and south of our area. Strong to a gale from the South-Westward over the Icelandic region. Scarcely any change later in day.

Barometer in morning above 30.5 ins. in the central portion of a high pressure system covering most of this country; below 30.0 ins. in a large depression over Russia, and below 29.0 ins. in a large and deep disturbance centred to the westward of Iceland. Pressure increasing quickly during day over Scandinavia, and readings becoming as high as those in England by evening. Icelandic depression apparently travelling away briskly in an east-north-easterly direction and mercury rising very decidedly in its rear. Pressure undergoing very little change in the United Kingdom.

Wednesday, 30th March, 1910.

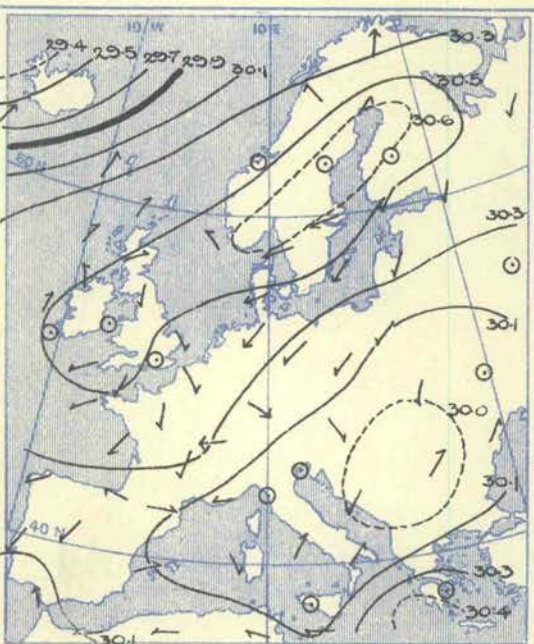
Temperature and Weather.

7 a.m.

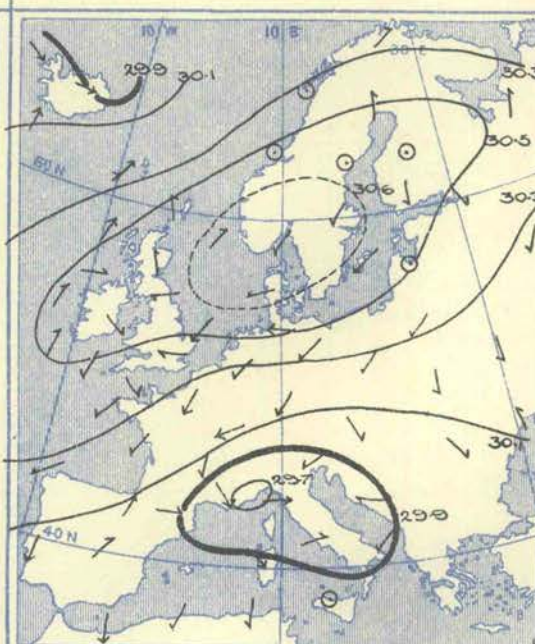


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over the greater portion of our area, but snow falling over a large district in central Europe, and rain at Bodø and Lisbon. Remaining dry and fair to bright in these Islands and a considerable part of the Continent, but snow, heavy in places, in central Europe, and some rain in the north of Italy.

Temperature fallen in most regions, risen in the west and north of these Islands and in Norway. Morning readings ranging from above 55° in the far south of our area, to below 40° over Europe as a whole, to about 32° over the English Midlands and a considerable area on the Continent, and to less than 10° in the north of Sweden. Maxima during day 62° at Nairn, 60° at Oxford, and above 55° in many parts of this country, but not much above 32° over Germany and Austria-Hungary, and below 50° in the east of France. Thermometer rising to above 60° at most places in the far south of our area.

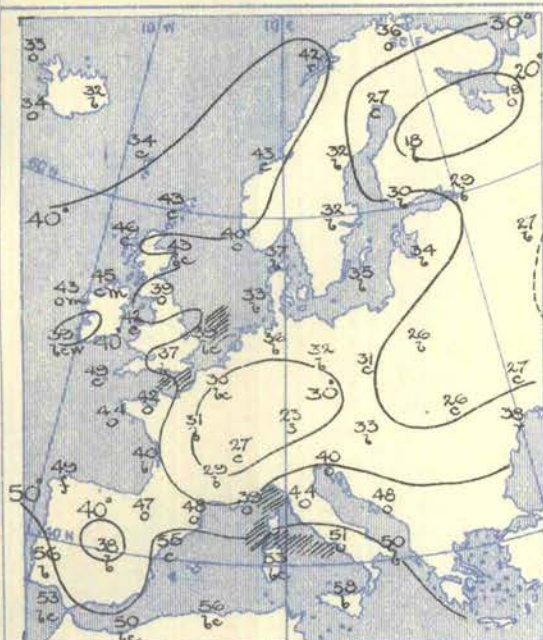
Wind in morning South-Westerly in the north-west of our area, fresh to high in Iceland, and mainly between North-East and North-West over all the eastern, central, and southern countries of the Continent. Very light and rather variable in Italy. Increasing somewhat from the North-Eastward during day in the south-east of this country; a definite cyclonic circulation setting in over northern Italy and the south-east of France.

Barometer in morning above 30.6 ins. to 30.5 ins. in an elongated anticyclonic system extending from Finland in a south-westerly direction to the west and south west of these Islands; below 30.0 ins. in a large, shallow depression over the south-east of the Continent, and below 29.4 ins. in the extreme north-west of Iceland. Pressure increasing decidedly in Iceland during day and slightly in the north of these Islands and in Scandinavia. A deep depression appearing over the Gulf of Genoa, and gradient in that region becoming steep in places.

Thursday, 31st March, 1910.

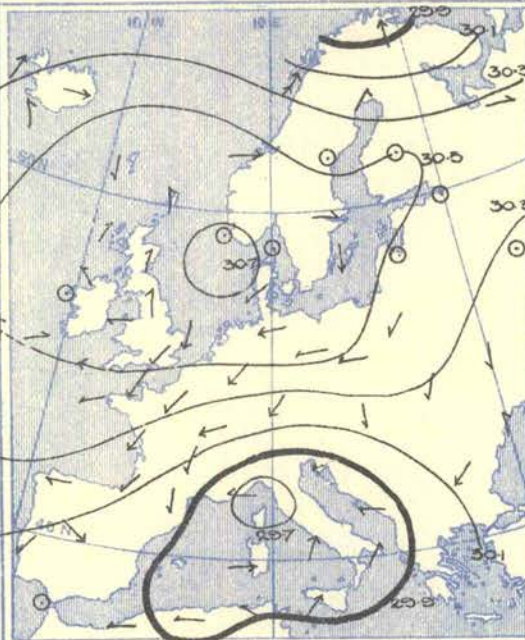
Temperature and Weather.

7 a.m.

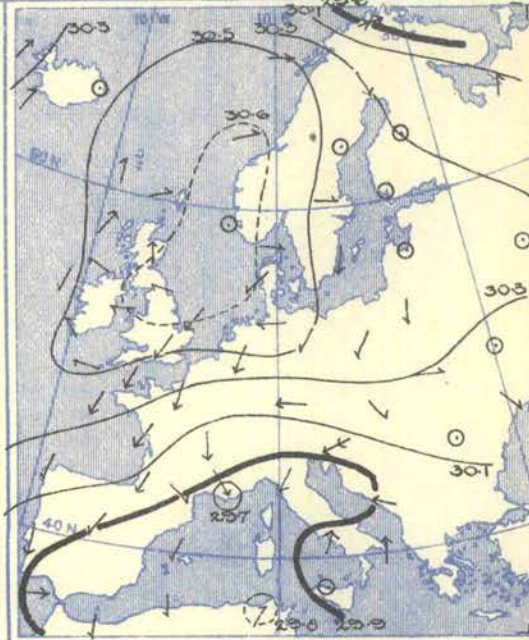


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over the greater part of our area, but overcast in northern Italy and in some localities elsewhere, snow falling at Turin and Munich, and rain at Rome and Pesaro, as well as at Odessa and Bodö. Considerable or heavy precipitation later over various parts of the Mediterranean region and heavy snow at Turin. Some snow over the south of France.

Temperature changed rather irregularly; fallen in central Europe, risen in Sweden. Morning readings ranging from above 50° over a large portion of the Mediterranean region and Portugal, to below 32° over all the central and northern countries, and to 19° at Archangel. Maxima during day below 50° over the greater part of England, and only 43° or 44° at some eastern and south-eastern stations. Thermometer remaining low over central and most parts of southern Europe, but rising to 67° at Palermo, 68° at Lisbon, and to 73° at Tunis. Slight frost at night in some parts of this country.

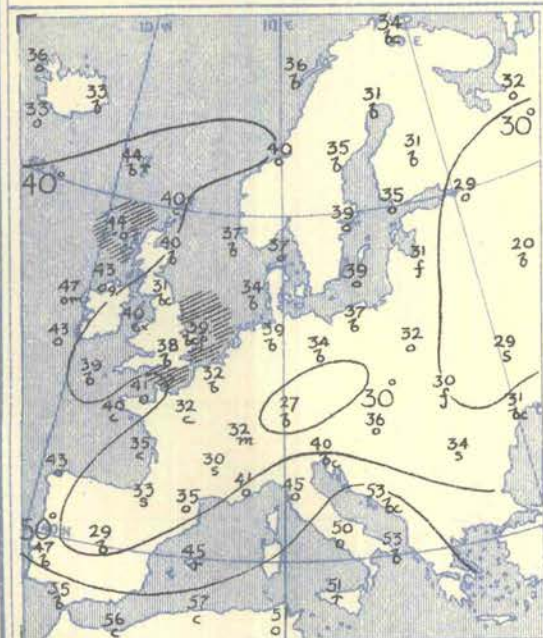
Wind in morning showing a very extensive anticyclonic movement over the northern half of our area, and a well-marked cyclonic circulation in the south; Easterly current strong at Trieste and high at Belfort. A strong to high South-West current prevailing in Iceland, and a gale at Bodö. Increasing in force from the North-Eastward during day in the south of England, from the Northward on the south coast of France, and reaching the force of a strong gale from East-North-East at Trieste.

Barometer in morning above 30.7 ins. in the central portion of an anticyclonic system over the south-west of Norway. Below 29.7 ins. in a depression having its minimum over Corsica, and below 29.8 ins. in the extreme north of Scandinavia. High pressure system decreasing slowly in intensity during day, but little change occurring in the general distribution. Southern depression undergoing some modification in position and form, but little in intensity.

Friday, 1st April, 1910.

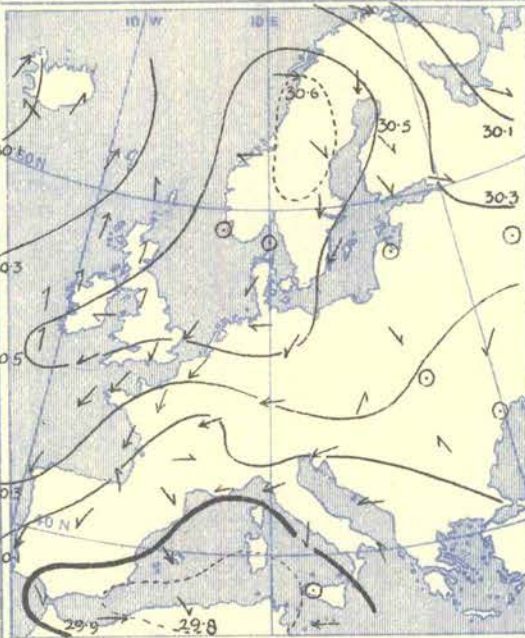
Temperature and Weather.

7 a.m.

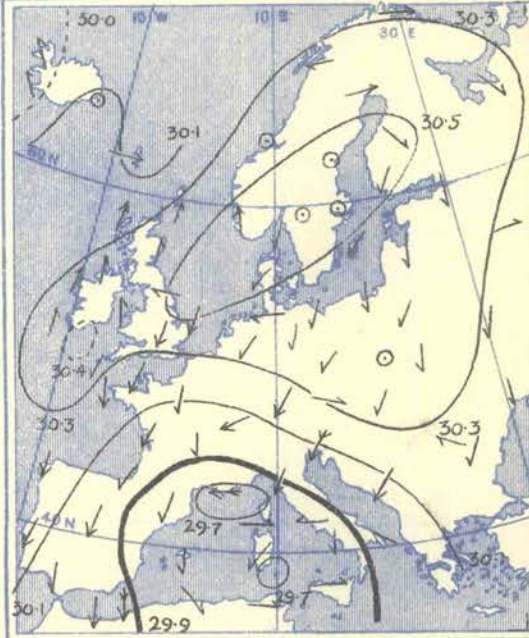


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally fair to fine over the northern half of our area, but overcast at several places on the extreme west coasts of these Islands. Much cloud over Italy and the south of France, with snow in many places, and rain at Pesaro; rain also falling at Barcelona, Palermo, and Oran. Some rain later in the Hebrides and Ireland and also at Great Yarmouth, and heavy falls of either rain or snow in Italy, the south of France, Algeria, and at some Spanish stations. A thunderstorm occurring at Oran.

Temperature changed somewhat irregularly, but fallen in most regions. Readings in morning ranging from 60° at Sfax, and 57° at Malta and Algiers, to below 32° over a large portion of the Continent and at North Shields, to 20° at Moscow, and to 19° at Uleaborg. Maxima during day below 50° in nearly all parts of these Islands and France and in central Spain, only 37° at Turin, and 41° at Biarritz, and no higher than 50° at Nemours and Oran. Thermometer rising to above 60° in the far south of Italy, and touching 67° at Palermo. Slight frost at night in various parts of England.

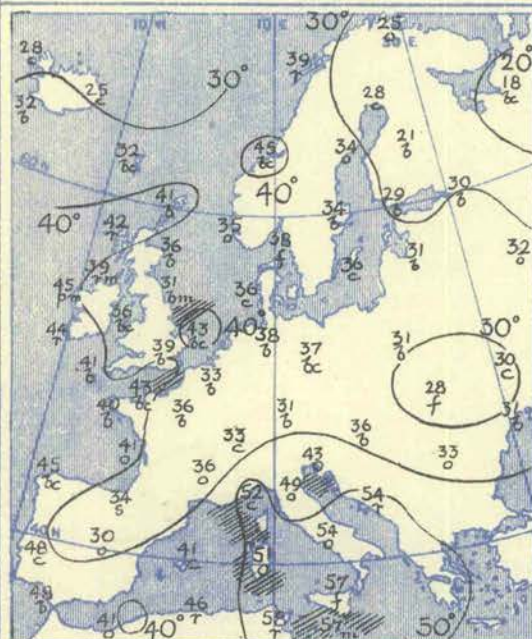
Wind in morning mainly Easterly to North-Easterly over the south of England, Germany, France, the Low Countries, Italy, and the Spanish Peninsula; fresh in several localities, and high at Dungeness, Belfort, and Trieste. A light Southerly to South-Westerly breeze prevailing over the west and north of these Islands and the Icelandic region. Increasing to a gale later at Trieste and Cape Sicily, and to a strong gale from North at Oran.

Barometer in morning above 30.6 ins. over the major portion of Scandinavia, and above 30.5 ins. in a ridge extending thence in a south-westerly direction to the south-west of these Islands; relatively low in the extreme north-west and north-east of our area, and below 29.8 ins. in a large depression over Algeria and the adjacent part of the Mediterranean. Pressure decreasing during day over the greater portion of our area, but increasing in the north-east. Very little change taking place in the general distribution.

Saturday, 2nd April, 1910.

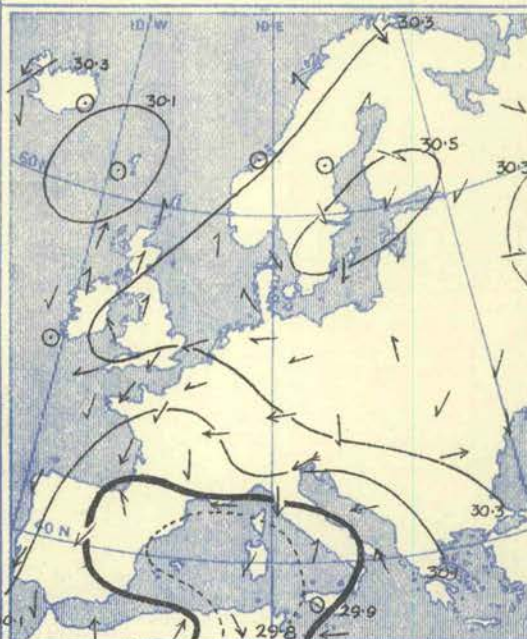
Temperature and Weather.

7 a.m.

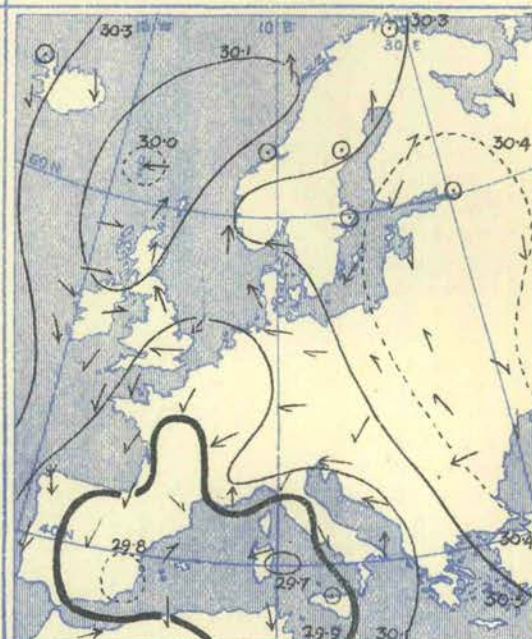


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright at nearly all places over the northern half of the Continent and in the United Kingdom, but rain falling in places over a wide area in the south, as well as in the Hebrides and the west of Ireland, and snow at Biarritz. Some rain later in the west and north of Scotland, the north-west of England, and in Ireland, and considerable falls, with snow in places, in the south of France, and of rain in Italy and Algeria. As much as 2.2 ins. at Certe and more than an inch at several other stations in the south of France.

Temperature fallen in Scotland and Algeria, risen in central Europe and France, changed rather irregularly elsewhere. Morning readings ranging from 58° at Tunis and Brindisi to below 40° over Europe as a whole, to below 32° at North Shields and over a large area on the Continent, and to 18° in the extreme north-east. Maxima during day about 60° over a large portion of the United Kingdom, France, and central Europe, and no higher than that figure at some places on the coast of Algeria, but above 60° in Sicily and the south of Italy, and 77° at Sfax. Rather sharp frost at night in many English localities.

Wind in morning showing an anticyclonic movement over the north-eastern and northern countries, an important cyclonic circulation in the south and over the Mediterranean, and a feeble cyclonic circulation in the north-west of our area. Easterly current blowing a high wind in the south of France and a gale at Trieste. Gales and high winds from East subsiding later in the south of our area, but Northerly current increasing on the Atlantic coast of the Spanish Peninsula, and blowing a gale at Corunna.

Barometer in morning above 30.5 ins. in the central portion of an anticyclonic system extending from the shores of the Cattegat to Finland; below 30.1 ins. in a shallow depression between Scotland and Iceland, and below 29.8 ins. in a large disturbance centred near or over Sardinia. Gradient irregular, rather steep in places. Pressure giving way steadily during day over Great Britain and the nearer regions of the Continent, but increasing in Iceland. Condition becoming cyclonic over the whole of the United Kingdom and France.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						200 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. March 31st, 9.30 a.m. to 10.40 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	279.5° 60% 45°, 7	278° 65% 45°, 12	275° 75% 60°, 17	272° 90% 65°, 17				270° 100% 65°, 17	{ Very gusty wind at all levels. Clouds just reached.
2	April 1st, 9.50 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	279° 65% 35°, 8	— 65% 35°, 12	276° 85% 45°, 17	272.1° 100% 60°, 18				271° 100% 65°, 19	{ Clouds at 1,000 m. Very gusty wind at all levels.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 14.
Vol. XXVII. (New Series.)

FOURTEENTH WEEK, SUNDAY, APRIL 3RD, TO SATURDAY, APRIL 9TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather varied a good deal; in most parts of Britain the sky was generally cloudy, and some days were more or less rainy, but in Ireland, although rain was as frequent, the sky was less cloudy. Thunder and lightning occurred at Dublin and Cahir on Sunday; at Hereford, Tunbridge Wells, and on the coast of Sussex on Wednesday; and thunder was heard at Douglas on Wednesday and Friday. Aurora was seen at Wick on Sunday night.

Temperature was below the average, the deficit ranging upwards to about 3° in the Midland Counties, England S.E., S.W., and the English Channel. The highest of the maxima occurred mostly on the 8th or 9th, and ranged from 61° in Scotland E. and Ireland S. and 58° in Scotland N. to 54° in England N.E. The lowest of the minima were recorded on the 3rd at most stations in England, but towards the end of the period in several parts of Ireland and Scotland. The readings ranged from 21° in England E. (at Cambridge), 22° in England S.E. (at Swarraton), and 23° in the Midland Counties and England S.W. (at Cirencester and Llangammarch Wells) to 29° in Scotland W. and England N.W., and to 32° in the English Channel. The lowest readings on the grass were 10° at Cambridge, 14° at Llangammarch Wells, 16° at Hereford and Greenwich, and 18° at Birmingham, Tunbridge Wells, and Wisley.

Mean Temperature of the Sea. As a whole the temperature differed little from that of the corresponding week of last year, but at Cleggan and Seafeld it was about 2½° lower. The means for the week ranged from 49° at Newquay, and 47½° at Plymouth and Seafeld to 44° at Lerwick, 43° at the Shipwash Light Vessel, and to 41° at Burnmouth.

Rainfall exceeded the normal over the eastern half of England, but was less elsewhere, the deficit being large in Ireland and the north and west of Scotland. As much as 1·2 inch was recorded at Bath on Wednesday, and 1·1 inch at Westbourne (Emsworth).

Bright Sunshine was above the average in Ireland, the English Channel and Scotland N., below it in all other parts of the Kingdom. The percentage of the possible duration ranged from 50 in the English Channel and 49 in Ireland N. to 23 in England N.W., 18 in England N.E. and to 14 in the Midland Counties.

Barometer and Wind.—During the earlier portion of the week a shallow depression covered England and the nearer regions of the Continent, while an anticyclone lay over Iceland and its vicinity, and the general current of wind over this country was between North and East. As the week progressed the depression underwent considerable modification in form and finally dispersed, while the high pressure system moved southward and by the end of the week lay over the Bay of Biscay and off the south-west of Ireland. The Northerly to Easterly wind consequently died out and gave place to North-Westerly breezes, and eventually to a light or moderate current from the Westward.

THE WEEK.

DISTRICTS OF THE BRITISH ISLES.													
For explanation of the terms "Unusual," &c., see p. 116.		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with aver- age for the time of year	Warmth ...	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient
	Rainfall ...	Light	Moderate	Heavy	Heavy	Moderate	Heavy	Light	Moderate	Moderate	Light	Light	Moderate
	Sunshine ...	Abundant	Moderate	Scanty	Scanty	Very scanty	Scanty	Moderate	Scanty	Scanty	Abundant	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 5 weeks from March 6th, 1910.	Warmth ...	3*0	2*0	2*0	1*1	2*3	1*3	2*0	2*0	1*2	2*0	0*0	1*1
	Rainfall ...	0*3	1*2	1*3	2*2	0*3	2*3	1*3	0*3	0*3	1*3	1*3	1*2
	Sunshine ...	3*0	1*0	1*1	2*2	2*1	3*2	1*1	2*1	2*1	1*2	1*1	3*1

PAST SEASONS.

SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4*3	5*7	6*2	4*1	6*2	3*4	6*1	6*3	4*4	6*2	4*4	5*1
	Rainfall ...	3*5	8*2	7*5	7*4	6*4	6*3	5*4	6*5	5*4	5*4	6*4	5*4
	Sunshine ...	2*2	3*4	4*5	5*5	6*4	6*4	5*4	7*4	6*4	5*5	6*3	5*5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1*7	1*8	2*7	2*9	2*7	2*10	1*7	1*8	2*7	1*5	1*4	2*8
	Rainfall ...	3*5	2*6	5*6	5*3	4*4	5*5	4*4	5*4	4*6	1*5	1*9	2*7
	Sunshine ...	5*3	4*3	1*7	3*6	3*6	4*7	2*4	3*6	4*5	3*5	4*5	4*4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2*6	3*5	2*6	4*5	4*5	3*6	3*7	3*6	3*6	4*7	4*6	3*5
	Rainfall ...	5*7	5*4	1*4	3*1	3*4	5*4	4*5	4*6	4*5	4*7	5*8	5*5
	Sunshine ...	5*2	5*3	3*5	2*6	2*5	3*2	5*5	5*2	4*4	5*2	5*2	4*5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1*5	2*4	3*4	4*2	3*2	5*4	3*4	5*3	4*4	3*6	2*6	4*4
	Rainfall ...	4*2	5*2	5*2	6*1	7*2	5*2	6*1	7*1	7*2	6*3	6*3	5*3
	Sunshine ...	10*2	6*0	4*2	7*2	8*2	8*2	5*1	8*0	6*1	4*4	4*1	3*3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FOURTEENTH WEEK—April 3rd to April 9th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	58	25	48.0	34.6	40.9	- 0.1	Day-deg. 17	Day-deg. - 3	Day-deg. 27	Day-deg. + 2	4	0	Inches. 0.30	Inches. - 0.48	36	+ 6	39	+ 6
Eastern																		
1. SCOTLAND, EAST	61	27	47.1	35.0	40.7	- 0.7	14	12	26	0	4	0	0.36	- 0.08	27	- 6	39	- 6
2. ENGLAND, N.E.	54	28	47.7	35.4	41.3	- 1.2	15	- 10	25	+ 6	3	- 1	0.48	+ 0.10	16	- 19	18	- 21
3. ENGLAND, EAST	57	21	49.4	36.0	42.4	- 1.4	28	- 6	17	- 3	3	0	0.48	+ 0.14	23	- 13	26	- 14
4. MIDLAND COUNTIES	56	23	48.4	33.7	40.7	- 3.1	18	- 18	31	+ 10	3	0	0.46	+ 0.05	13	- 20	14	- 22
5. ENGLAND, S.E.	57	22	49.4	35.3	42.0	- 3.2	21	- 16	19	+ 7	3	0	0.53	+ 0.21	27	- 8	30	- 9
Western																		
6. SCOTLAND, WEST	57	29	49.1	35.6	42.0	- 0.8	20	- 6	18	- 1	3	0	0.23	- 0.44	32	- 3	35	- 3
7. ENGLAND, N.W.	56	29	47.9	36.0	41.7	- 2.0	17	- 11	23	+ 7	4	0	0.34	- 0.18	21	- 8	23	- 9
8. ENGLAND, S.W.	57	23	48.1	36.5	42.0	- 3.3	17	- 18	15	+ 5	3	0	0.48	- 0.06	26	- 10	29	- 11
9. IRELAND, NORTH	57	27	49.8	36.8	43.0	- 1.0	29	- 1	15	0	3	- 1	0.20	- 0.38	44	+ 13	49	+ 14
10. IRELAND, SOUTH	61	27	50.4	37.2	43.5	- 2.1	31	- 7	13	+ 3	4	+ 1	0.24	- 0.38	39	+ 3	43	+ 3
11. ENGLISH CHANNEL	57	32	51.8	38.0	44.6	- 3.0	35	- 7	11	+ 9	3	0	0.22	- 0.20	45	+ 3	50	+ 3
THE SEASON (Spring).—Aggregates, &c., for the Period of 5 Weeks, March 6th to April 9th, 1910.																		
0. SCOTLAND, NORTH	60	20	*	*	*	*	99	+ 32	108	- 38	22	- 2	3.21	- 1.60	132	+ 13	32	+ 3
Eastern																		
1. SCOTLAND, EAST	62	23	*	*	*	*	118	+ 25	123	- 35	15	- 5	1.66	- 0.86	150	+ 16	36	+ 4
2. ENGLAND, N.E.	60	24	*	*	*	*	122	+ 19	102	- 23	11	- 7	1.03	- 0.94	152	+ 2	36	0
3. ENGLAND, EAST	59	21	*	*	*	*	130	- 3	114	- 19	13	- 3	1.34	- 0.40	159	+ 8	38	+ 2
4. MIDLAND COUNTIES	61	23	*	*	*	*	130	- 8	142	+ 7	12	- 4	1.05	- 0.91	150	+ 15	36	+ 3
5. ENGLAND, S.E.	59	22	*	*	*	*	125	- 15	94	- 2	12	- 3	1.83	- 0.10	176	+ 27	42	+ 7
Western																		
6. SCOTLAND, WEST	60	26	*	*	*	*	122	+ 27	86	- 30	16	- 4	2.05	- 1.79	136	- 2	32	0
7. ENGLAND, N.W.	59	23	*	*	*	*	107	+ 3	88	- 15	16	- 3	1.41	- 1.27	153	+ 24	36	+ 6
8. ENGLAND, S.W.	59	20	*	*	*	*	128	- 10	81	+ 1	12	- 6	1.40	- 1.55	181	+ 30	43	+ 7
9. IRELAND, NORTH	59	26	*	*	*	*	132	+ 15	75	- 22	17	- 5	2.22	- 0.50	122	- 8	29	- 2
10. IRELAND, SOUTH	62	25	*	*	*	*	155	+ 4	59	- 15	18	- 1	2.08	- 1.20	142	- 6	34	- 2
11. ENGLISH CHANNEL	60	31	*	*	*	*	176	+ 11	21	- 7	12	- 7	1.88	- 0.53	219	+ 38	52	+ 9
THE YEAR.—Aggregates, &c., for the Period of 14 Weeks, January 2nd to April 9th, 1910.																		
0. SCOTLAND, NORTH	60	2	*	*	*	*	147	+ 20	495	+ 19	74	+ 4	14.91	- 0.86	253	+ 46	27	+ 5
Eastern																		
1. SCOTLAND, EAST	62	-10	*	*	*	*	176	+ 15	532	- 3	58	+ 3	7.70	+ 0.19	303	+ 45	32	+ 5
2. ENGLAND, N.E.	60	6	*	*	*	*	206	+ 23	403	- 23	52	+ 1	5.45	+ 0.09	309	+ 33	32	+ 3
3. ENGLAND, EAST	59	17	*	*	*	*	250	+ 27	363	- 100	53	+ 3	5.09	+ 0.58	345	+ 54	35	+ 6
4. MIDLAND COUNTIES	61	10	*	*	*	*	237	- 5	431	- 40	54	+ 5	6.32	+ 0.18	319	+ 64	33	+ 7
5. ENGLAND, S.E.	59	13	*	*	*	*	264	+ 6	272	- 83	55	+ 8	8.01	+ 1.63	361	+ 79	37	+ 8
Western																		
6. SCOTLAND, WEST	60	0	*	*	*	*	209	+ 25	377	- 1	63	+ 3	13.37	+ 0.68	266	+ 22	28	+ 2
7. ENGLAND, N.W.	59	7	*	*	*	*	220	+ 22	307	- 47	66	+ 11	10.30	+ 1.95	310	+ 68	32	+ 7
8. ENGLAND, S.W.	59	8	*	*	*	*	288	- 1	224	- 55	61	+ 7	11.28	+ 1.33	347	+ 61	35	+ 6
9. IRELAND, NORTH	59	7	*	*	*	*	263	+ 21	305	- 6	70	+ 6	11.94	+ 2.39	256	+ 8	27	+ 1
10. IRELAND, SOUTH	62	18	*	*	*	*	339	+ 2	231	- 8	72	+ 15	12.78	+ 1.95	291	+ 7	30	+ 1
11. ENGLISH CHANNEL	60	28	*	*	*	*	409	+ 25	54	- 53	62	+ 2	10.42	+ 2.10	407	+ 58	41	+ 6

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.					NAMES OF STATIONS.		
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.											Above 42°.	Below 42°.
SCOTLAND, N.	a, Islands.	p Balta Sound	50	7th, 8th	33	47.0	35.8	41.1	- 2.4	14	3	0.51	- 0.41	33.9	- 1.8	37	-	Balta Sound.		
		a Sumburgh Head	48	7th, 8th	25	46.9	30.1	37.6	- 2.4	11	42	0.14	- 0.41	49.1	+ 18.8	53	+ 21	Deerness.		
		a Stornoway	52	7th, 8th	31	47.9	34.6	40.9	- 0.7	17	28	0.73	- 0.04	40.5	+ 8.7	44	+ 9	Stornoway.		
		a Castlebay, Barra Isd.	50	6, 7, 8th	34	47.1	39.1	42.9	- 1.5	18	8	0.20	-	56.8	-	62	-	Castlebay.		
	b, Main-land.	a Wick	54	7th	30	48.6	35.9	42.0	+ 0.5	18	17	0.11	- 0.36	23.2	- 4.9	25	- 5	Strathpeffer.		
		p Strathpeffer	55	8th	32	47.3	35.7	41.2	- 0.5	15	24	0.22	- 0.25	30.8	+ 7.8	34	+ 9	Fort Augustus.		
		p Glencarron	55	8th	28	48.5	34.5	41.2	+ 0.7	18	29	0.46	- 0.97	-	-	-	-			
		p Fort Augustus	58	8th	30	47.5	36.6	41.8	+ 0.1	15	21	0.30	- 0.33	30.8	+ 7.8	34	+ 9			
		p Fort William	56	6, 7, 8th	28	50.1	34.5	41.9	- 0.6	23	29	0.14	- 1.00	-	-	-	-			
		p Gordon Castle	54	6th	29	47.6	34.3	40.6	- 1.8	16	28	0.45	- 0.00	33.3	-	42	-	Gordon Castle.		
1. SCOTLAND, E.		a Nairn	55	8th	27	47.6	34.3	40.6	- 1.2	16	28	0.31	- 0.02	33.0	-	36	-	Nairn.		
		a Aberdeen	52	8th	31	47.9	35.9	41.6	- 0.5	17	23	0.16	- 0.31	37.0	+ 4.7	40	+ 5	Aberdeen.		
		a Balmoral	52	8th	31	46.1	33.6	39.6	+ 1.2	11	31	0.54	- 0.01	23.1	-	25	-	Crathes S.		
		p Crieff	61	8th	31	50.1	35.7	42.6	- 0.1	31	18	0.24	- 0.34	23.0	-	30	-	Balruddery.		
		a Leith	56	8th	34	47.3	38.2	42.6	- 0.7	20	10	0.18	- 0.12	19.7	- 5.7	22	- 6	Edinburgh.		
		a West Linton	53	8th	30	44.6	33.3	38.7	- 1.2	7	31	0.57	-	-	-	-	-	West Linton.		
		p Marchmont	52	8th	30	45.4	34.4	39.6	- 1.4	10	27	0.39	- 0.13	20.2	- 9.2	22	- 10	Marchmont.		
		a Alnwick Castle	49	6th	28	46.2	35.9	40.8	- 1.1	12	23	0.45	- 0.02	22.1	-	24	-	Cockle Park.		
		a Shields	49	6th	28	46.2	35.1	40.6	- 2.0	13	25	0.55	+ 0.23	9.1	- 15.3	10	- 16	Newcastle.		
		p Durham	50	6th, 9th	28	46.6	34.5	40.3	- 1.6	13	28	1.07	+ 0.72	16.6	- 12.1	18	- 13	Durham.		
2. ENGLAND, N.E.	a, North.	p Rounton	51	6th	30	46.6	34.1	40.1	- 1.7	13	29	0.70	+ 0.26	16.3	-	18	-	Scarborough.		
		p Scarborough	52	6th, 9th	31	48.7	37.6	42.9	- 0.1	25	12	0.41	+ 0.04	16.3	-	18	-	York.		
	b, South.	a York	53	6th	32	49.3	35.1	41.9	- 1.8	20	27	0.33	- 0.06	10.1	- 17.9	11	- 20			
		a Spurn Head	48	6th	34	46.0	38.4	42.0	- 1.2	11	10	0.28	+ 0.01	19.0	-	21	-	Skegness.		
		a Lincoln	54	6th	30	49.5	34.1	41.4	- 2.5	21	30	0.27	- 0.06	13.5	-	15	-	Rauceby.		
		a Fulbeck	53	7th	28	50.0	33.5	41.4	- 2.3	22	33	0.19	- 0.17	34.5	-	38	-	Lowestoft.		
		p Cromer	50	6th	36	46.9	37.9	42.2	- 0.2	19	11	0.35	-	25.5	-	28	-	Cromer.		
	a, North.	p Hillington	55	6th	25	49.3	35.0	41.8	- 1.9	29	27	0.65	+ 0.26	17.4	- 14.0	19	- 15	Hillington.		
		a Yarmouth	51	9th	34	47.4	38.3	42.6	- 0.0	20	10	0.66	+ 0.32	29.5	-	32	-	Yarmouth.		
		a Norwich	53	9th	30	50.2	36.5	43.0	- 0.4	30	15	0.72	+ 0.36	25.8	- 8.2	28	- 9	Geldeston.		
3. ENGLAND, E.		p Cambridge	56	6th	21	50.6	33.9	41.9	- 2.3	24	32	0.51	+ 0.19	24.0	- 9.3	26	- 10	Cambridge.		
		a Felkistow	55	9th	31	48.3	36.7	42.2	- 1.4	24	15	0.66	-	21.7	-	23	-	Felkistow.		
	b, South.	a Clacton-on-Sea	55	9th	30	49.4	38.0	42.4	- 0.9	28	17	0.41	-	20.1	-	22	-	Clacton.		
		a Rothamsted	54	6th, 9th	28	50.1	34.6	42.0	- 1.4	23	21	0.37	- 0.01	21.1	- 10.4	24	- 12	Rothamsted.		
		a Shoburness	56	9th	29	50.3	36.1	42.9	- 2.1	31	17	0.30	+ 0.04	23.4	-	26	-	Southend.		
		p Tottenham	57	9th	29	51.2	36.1	43.3	- 1.2	34	17	0.14	-	22.0	-	25	-	Tottenham.		
		a Harrogate	51	6th	27	46.5	33.6	39.7	- 2.5	13	30	0.77	+ 0.31	14.1	-	16	-	Harrogate.		
	a, East.	a Bawtry	53	6th, 7th	25	50.1	31.1	40.1	- 3.6	23	40	0.26	- 0.07	8.6	- 19.1	9	- 21	Workop.		
		p Buxton	50	6th	28	45.1	38.5	38.5	- 1.9	9	33	0.31	- 0.13	8.2	-	9	-	Buxton.		
		a Nottingham	54	6th	26	49.3	32.7	40.6	- 3.0	20	35	0.16	- 0.15	14.6	-	16	-	Nottingham.		
4. MIDLAND COUNTIES.		p Birmingham, Edgbn	52	6th, 9th	31	47.2	35.1	40.9	- 2.5	15	26	0.22	- 0.20	2.9	-	3	-	Birmingham.		
		a Raunds	56	6th	30	50.2	34.7	42.1	- 1.3	31	20	0.42	-	-	-	-	-			
		a Oxford	56	9th	29	49.3	34.6	41.6	- 2.9	20	29	0.43	+ 0.11	19.7	- 11.7	22	- 13	Oxford.		
		a Chaddle	52	6th	32	47.1	33.7	40.1	- 2.3	14	31	0.35	- 0.13	4.0	-	4	-	Sheffield.		
	b, West.	p Shrewsbury	53	9th	29	48.0	34.3	40.8	- 3.9	17	29	0.24	-	-	-	-	-			
		a Hereford	56	9th	26	47.7	34.3	40.7	- 3.8	16	29	0.44	+ 0.05	-	-	-	-			
		a Cirencester	55	8th, 9th	23	48.9	33.0	40.6	- 2.5	19	34	0.38	- 0.03	17.2	- 15.0	19	- 17	Cirencester.		
		a Bath	56	9th	28	48.1	34.0	40.7	- 4.0	17	30	1.39	+ 0.92	18.6	-	21	-	Bath.		
		p Kew	55	9th	28	50.4	35.8	42.8	- 2.1	32	17	0.15	- 0.21	21.0	- 9.4	23	- 11	Ramsgate.		
		a Marlborough	56	9th	24	47.7	32.2	39.6	- 3.8	16	36	0.57	+ 0.09	15.5	- 13.7	17	- 15	Kew.		
5. ENGLAND, S.E.		a Margate	53	5th	36	47.0	38.2	42.4	- 1.9	19	11	0.43	+ 0.12	18.8	- 14.0	21	- 16	Margate.		
		a Wisley, Surrey	55	9th	25	50.3	33.3	41.4	- 3.8	23	33	0.31	-	25.8	-	29	-	Wisley.		
		a Swaraton	54	9th	22	48.4	32.0	39.8	- 3.9	18	37	0.96	+ 0.50	36.0	-	40	-	Worthing.		
		a Tunbridge Wells	54	9th	28	50.4	34.2	41.9	- 2.2	24	30	0.42	- 0.01	33.5	- 0.1	37	-	Tunbridge Wells.		
		a Dungeness	53	9th	29	49.4	38.0	42.4	- 1.7	25	17	0.56	+ 0.21	30.4	-	34	-	Littlestone.		
		p Hastings	54	9th	33	50.1	37.2	43.3	- 1.7	29	13	0.41	- 0.01	33.4	- 3.3	37	- 4	Hastings.		
		p Southampton	57	9th	30	50.7	35.9	42.9	- 4.6	32	17	0.83	+ 0.39	25.0	- 9.7	28	- 11	Southampton.		
		a Ventnor	53	3rd, 9th	35	49.2	38.4	43.5	- 2.6	26	10	0.62	+ 0.22	30.8	- 8.7	34	- 9	Ventnor.		
		a Eastbourne	58	9th	38	51.4	38.0	43.3	- 1.6	34	17	0.11	- 0.24	15.8	- 6.3	18	- 7	Eastbourne.		
		a Westminster	56	9th	26	51.7	35.3	43.1	- 2.1	36	19	0.12	- 0.23	24.2	- 5.0	27	- 6	Westminster.		
6. SCOTLAND, W.		a Glasgow	55	8th	34	48.8	38.0	43.1	+ 0.7	25	11	0.09	- 0.41	22.4	- 2.8	25	- 3	Glasgow.		
		p Rothesay	57	7th	32	50.7	37.7	43.9	+ 0.5	31	12	0.13	- 0.56	-	-	-	-			
		a Kilmarnock	54	6th	29	49.0	34.1	41.2	- 1.5	20	30	0.11	-	25.3	-	31	-	Kilmarnock.		
		a Colmonell	54	7th	29	48.3	32.6	40.1	- 3.4	18	35	0.14	- 0.50	-	-	-	-			
	b, ISLE OF MAN	p Dumfries	56	6th	33	49.3	36.0	42.3	- 0.7	27	17	0.15	- 0.41	29.0	-	32	-	Dumfries.		
		p Cally, Gatehouse	51	7th	30	47.3	34.3	40.5	- 2.3	15	29	0.50	- 0.26	-	-	-	-			

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound ..	—	—	42.4	—	Harrogate ..	4	23	41.5	42.3	6. Dumfries ..	1	20	41.9	43.0
1. Aberdeen ..	3	20	41.3	41.1	Huddersfield ..	3	22	41.3	41.5	Douglas ..	0	31	—	—
Crathes ..	3	28	—	—	Buxton ..	4	22	41.0	41.8	Aspatia ..	3	24	43.5	43.7
Balmoral ..	3	21	—	—	Sheffield ..	5	20	40.6	42.0	Newton Rigg ..	4	21	42.5	42.2
West Linton ..	4	21	—	—	Nottingham ..	3	24	41.0	41.7	Burnley ..	3	22	40.3	41.3
Marchmont ..	4	24	41.4	—	Birmingham ..	3	18	40.8	43.3	Southport ..	3	20	41.8	42.9
Cockle Park ..	3	26	41.0	41.9	Oxford ..	3	21	—	—	Manchester City ..	0	34	40.4	43.4
Durham ..	2	24	—	—	Hereford ..	4	16	—	—	Bettws-y-Coed ..	2	28	40.7	43.0
York ..	—	—	42.7	43.0	Gloucester ..	4	22	—	—	Llangammarch Wells ..	5	14	41.7	43.8
Hull ..	3	25	42.9	43.0	Bath ..	—	—	44.3	44.9	Cardiff ..	1	23	43.2	44.5
Lincoln ..	—	—	42.2	42.7	Margate ..	70	33	43.9	44.0	Clifton ..	2	26	—	—
Raueby ..	5	20	43.6	44.0	Greenwich ..	5	16	—	—	Plymouth ..	3	25	44.6	—
Norwich ..	—	—	44.7	45.0	Westminster ..	4	20	41.8	44.2	Armagh ..	4	27	44.2	44.2
Yarmouth ..	0	32	44.2	45.8	Kew ..	5	20	43.1	44.8	Markree ..	4	24	45.1	45.0
Lowestoft ..	6	10	43.0	44.0	Canterbury ..	2	20	43.5	—	10. Dublin, Trin. Coll. ..	?	?	44.1	45.1
Cambridge ..	8	27	44.3	45.5	Tunbridge Wells ..	4	18	42.2	44.1	11. Guernsey, Brooklyn	4	26	46.1	46.6
Clacton-on-Sea ..	3	26	44.6	—	Witley ..	4	18	43.7	45.0					
Southend ..	3	26	44.6	—	Worthing ..	3	22	44.5	46.0					
Tottenham ..	5	21	—	44.3	Portsmouth ..	1	25	—	—					
					Glasgow ..	2	27	—	—					
					Rotherham ..	—	—	—	43.0					
					Colmonell ..	5	27	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick ..	44	44	44.0	SCOTLAND, W.	Lamlash ..	46	44	44.7
	Kirkwall ..	44	43	43.4		Ballantrae ..	46	44	44.5
	Wick ..	43	43	43.0	ENGLAND, N.W.	Port Erin ..	47	44	44.9
SCOTLAND, E.	Cromarty ..	45	43	43.9		Newquay ..	49	49	49.0
	Pennan Bay ..	45	42	43.6	ENGLAND, S.W.	Plymouth ..	49	47	47.5
ENGLAND, N.E.	Aberdeen, Cove Bay ..	43	42	42.4		Salcombe ..	47	46	46.5
	Burnmouth, Berwick ..	42	41	41.1	IRELAND, N.W.	Sheephaven ..	47	46	46.4
ENGLAND, E.	Scarborough ..	44	41	42.5		Teelin ..	49	44	46.6
	Shipwash Lightship ..	44	42	42.8	IRELAND, S.W.	Cleggan ..	47	43	45.4
ENGLAND, S.E.	Margate ..	47	44	45.0		Seafeld ..	49	46	47.5
	Eastbourne ..	46	44	44.6	IRELAND, E.				

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type. Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: —b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 3.36 a.m. in Portugal; and at 8 a.m. in Spain.

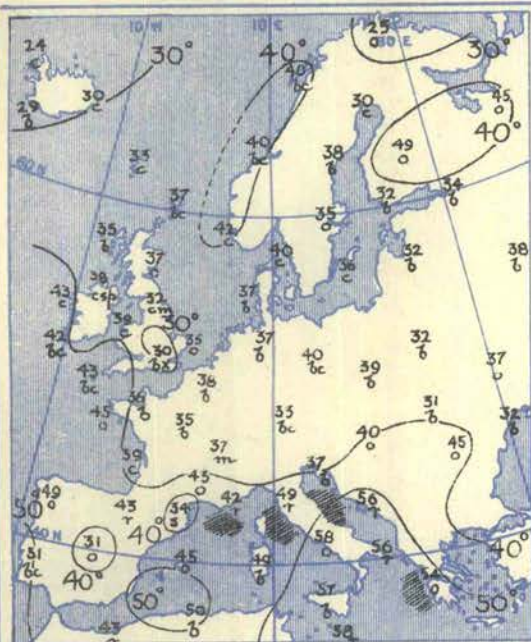
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 3rd April, 1910.

Temperature and Weather.

7 a.m.

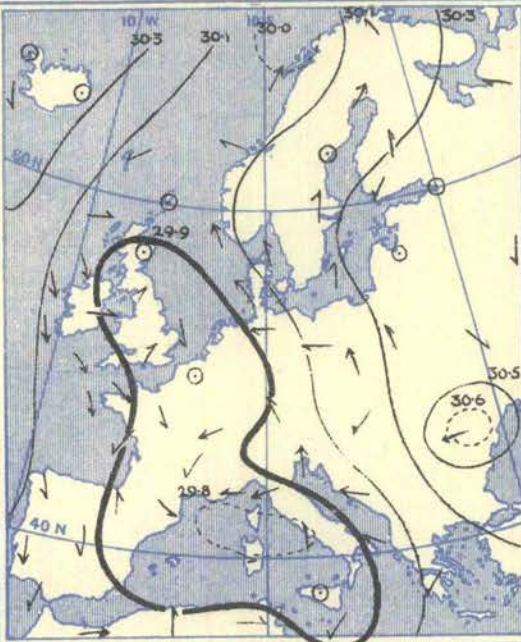


Weather in morning fair to fine over the eastern and northern countries of the Continent, in the south of Ireland and the south-east of England, the Netherlands, and north of France; very unsettled, with rain in many places, over Italy, the Mediterranean region generally, and in the south-west of France; snow falling at Perpignan and Toulouse. Rain later over the north and west of these Islands, but continuing fine over the greater portion of England. Much precipitation, consisting partly of snow, in Switzerland and the south of our area; largest measurement, 2.2 ins. at Toulouse.

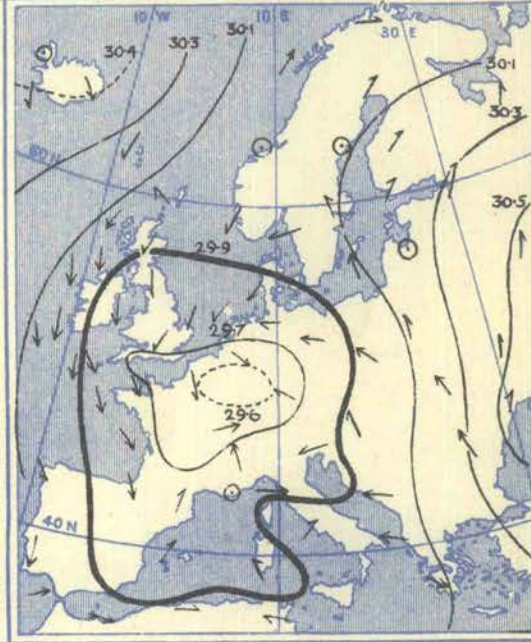
Temperature changed rather irregularly; fallen over these Islands. Morning readings ranging from 58° at Malta and Naples and above 50° at some other southern stations to below 40° generally, and to below 32° over a considerable part of England and at some Polish stations. Remaining below 50° during day in most parts of the United Kingdom and in several French localities, and only touching that figure at Oran. Rising to 60° and above at a few places in the far south, and reaching 68° at Patras.

Barometer and Wind.

7 a.m.



6 p.m.



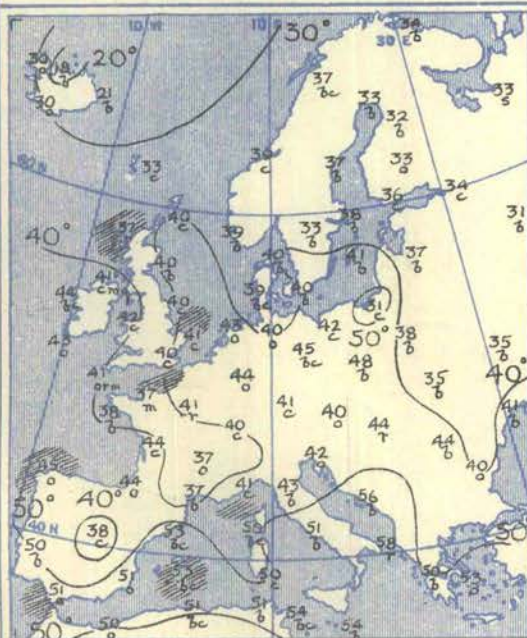
Wind in morning anticyclonic over Russia and the adjoining countries, and cyclonic elsewhere; a fresh breeze prevailing at some Italian stations, at Oporto and Trieste, and a high wind at Nemours, but little force generally. Northerly current increasing to a fresh or strong breeze later on our extreme west and south-west coasts, and a fresh gale from West setting in at Oran.

Barometer in morning above 30.6 ins. in a large high pressure having its maximum over Transylvania; below 29.9 ins. in a very extensive low pressure system having two distinct minima—one over France, and the other over Corsica and its vicinity. Anticyclone receding eastward during day, and low pressure system undergoing some modification in form and intensity; a minimum with the barometer below 29.6 ins. shown over Belgium and its neighbourhood at 6 p.m. Pressure increasing slowly in Iceland, falling in England.

Monday, 4th April, 1910.

Temperature and Weather.

7 a.m.

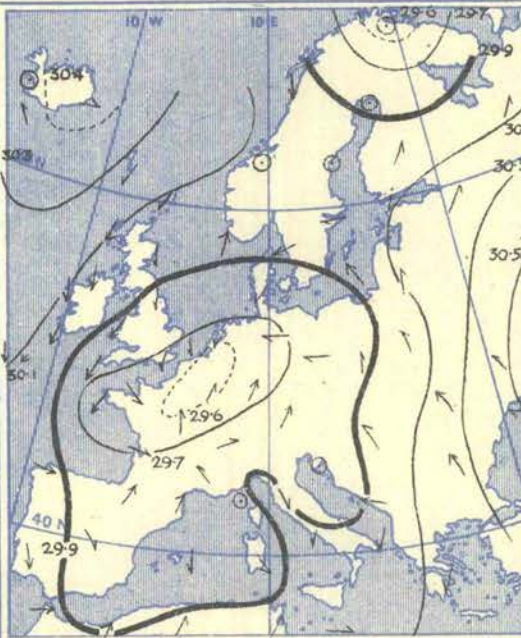


Weather in morning fair to fine and bright in Russia, Scandinavia, and at many stations in the south of our area, but rain or snow falling at Toulouse and Limoges, rain in the north-east of France, the extreme south-east of England, and in Belgium, as well as at Scilly, Stornoway, and Buda-Pesth. Rain later over the major portion of the United Kingdom, about 0.5 in. on the Norfolk coast; heavy amounts over a large portion of France, and slight to rather heavy falls in various parts of central Europe and the northern half of Italy.

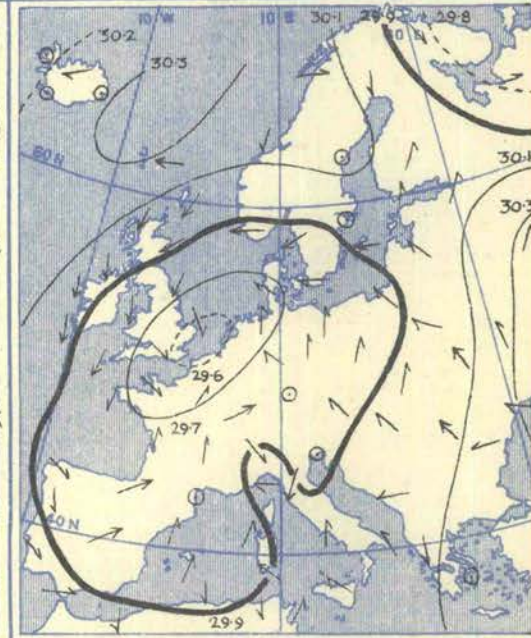
Temperature risen over these Islands and the adjacent regions of the Continent. Morning readings about 40° over most of the mainland of Europe and in this country, but some degrees below it at stations in France, Sweden, and Russia, and above it at nearly all places on the shores of the Mediterranean; highest readings, 58° at Sfax and Brindisi. Maxima during day between 45° and 50° over these Islands, the north of France, the Netherlands, and also at some stations in the extreme south of France and the north of Italy; above 55° in several parts of central Europe, and above 60° at a few places in the far south of our area; as high as 75° at Tunis.

Barometer and Wind.

7 a.m.



6 p.m.



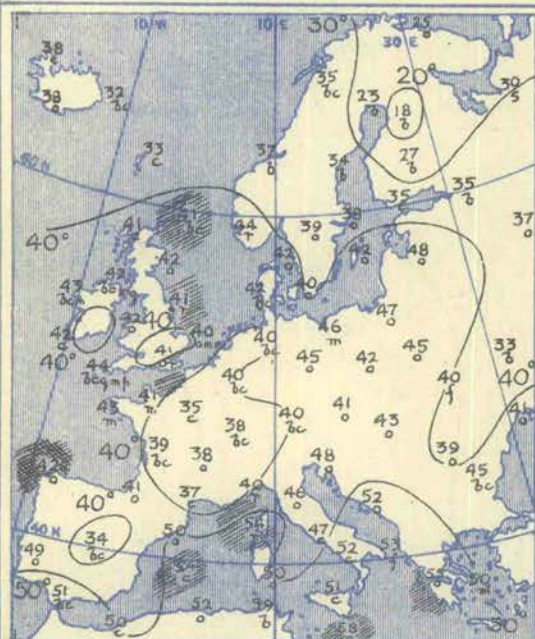
Wind in morning anticyclonic in the east and extreme north-west of our area, cyclonic elsewhere, the chief circulation being over these Islands and the neighbouring countries of the Continent. Light or moderate generally, but fresh or strong at a few stations in this country, and also at Corunna and San Fernando. No change of a general character later in day.

Barometer in morning above 30.6 ins. in the south-east of Russia, and above 30.4 ins. over Iceland. Below 29.6 ins. in a large depression of irregular shape centred over the Netherlands and the north-east of France, and also in another disturbance in the extreme north of Scandinavia. Scarcely any change in the general situation during day, but centre of main disturbance moving somewhat further to the north; Arctic depression travelling eastward.

Tuesday, 5th April, 1910.

Temperature and Weather.

7 a.m.

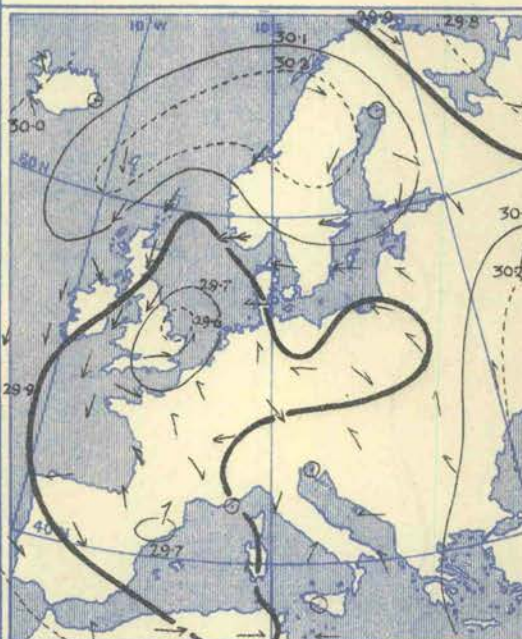


Weather in morning rainy in many parts of England, the south of Norway, and the south-east of France, and snow falling at Archangel; very cloudy or overcast in most other regions, but fair to fine and bright over a considerable portion of Scandinavia, Finland, and Russia. Slight rain later at nearly all our own stations, and heavier amounts in France, Italy, the Balearic Isles, and Algeria; more than 2 ins. at Nice, and more than 1 in. at Cape Sicé, Marseilles, and Turin.

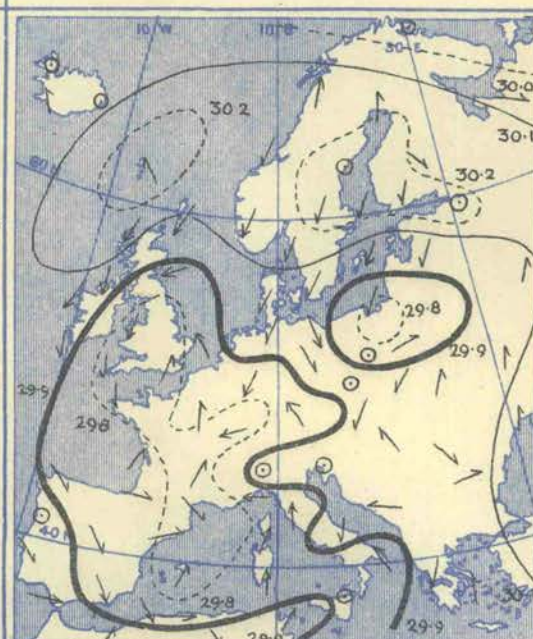
Temperature risen over Iceland, changed irregularly in most other regions. Morning readings about 40° over a very large area, but about 20° in the north of Finland, and above 50° at many places on the shores of the Mediterranean; 55° at Cape de Garde and Sfax. Rising no higher than 43° or 44° in many parts of Great Britain later, but touching 53° at Deal. Maximum only 42° at Lyons and 43° at Cette, but nearly 60° in several French localities, and also in the central countries, and to 77° at Tunis. Touching 32° at night at Jersey and in central England.

Barometer and Wind.

7 a.m.



6 p.m.



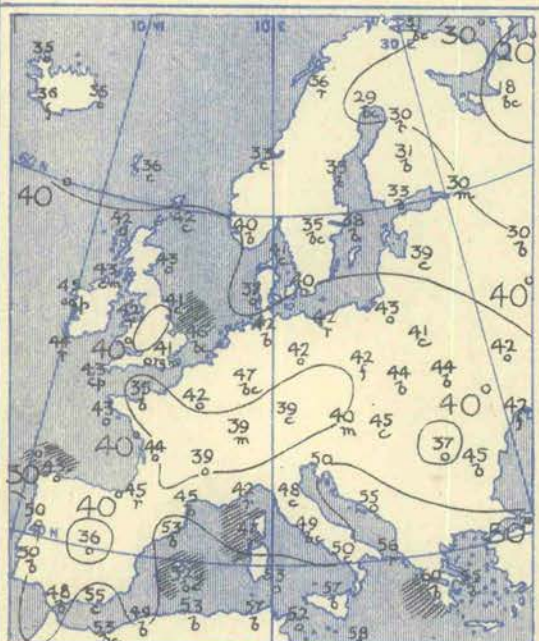
Wind in morning showing an irregular cyclonic movement over nearly the whole of the Continent and these Islands. Northerly current fresh to strong on some parts of our western and northern coasts, and fresh or strong breezes prevailing in some southern regions and also at Wisby; an Easterly gale blowing at Skudesnaes. No great change occurring later in day; gale subsiding at Skudesnaes. A Southerly breeze of little strength appearing temporarily in the east and south-east of England.

Barometer in morning above 30.4 ins. in an anticyclone over the south-east of Russia, and above 30.2 ins. over the north of Scandinavia and the adjacent part of the ocean; below 29.8 ins. over the White Sea, below 29.7 ins. in a small minimum over the north-east of Spain, and a little lower in another minimum off the coast of Yorkshire. Gradient moderate in some regions, but slight generally. Russian anticyclone apparently moving away eastward during day, and that in the north of our area undergoing considerable modification in form and breaking into two portions. North Sea depression moving eastward over England but becoming less deep, and the barometer rising slowly over Great Britain and France.

Wednesday, 6th April, 1910.

Temperature and Weather.

7 a.m.

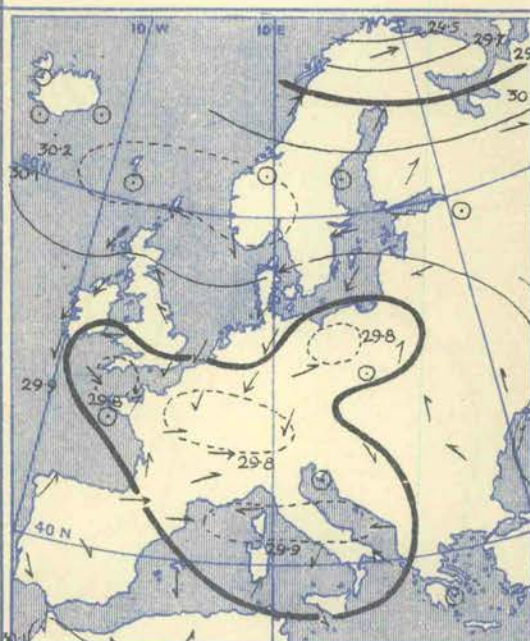


Weather in morning rainy in several parts of England and Ireland, and also in the south of France, at Brindisi, Swinemünde, Copenhagen, and Bodø. Fine and bright in Algeria, many parts of Russia and northern Europe, as well as in some localities elsewhere. Rain later very generally over England and Ireland, light in most places, but heavy—more than 1.2 in.—at Bath, and thunderstorms occurring on the coast of Sussex. Considerable or heavy falls of rain in various parts of France, Italy, and Austria-Hungary; a thunderstorm at Bordeaux.

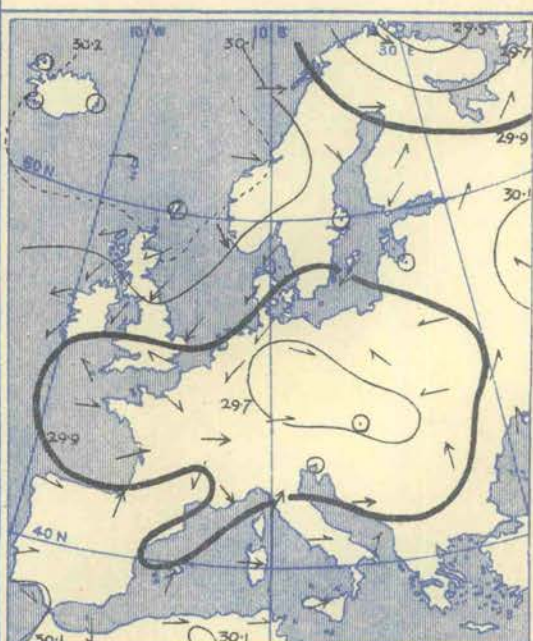
Temperature changed irregularly. Morning readings ranging from 60° at Patras and above 55° at a few other places in the far south to about 40° over a large portion of the Continent and most of the United Kingdom, to below 32° in the north-east of Europe, and to 18° at Archangel. Rising during day to a few degrees above 50° in many parts of these Islands, and touching 57° at Oban; maxima between 55° and 60° in the south of France, South Germany, and in Austria and Italy, slightly higher than 60° in Algeria and at Athens; 72° at Bucharest, and 75° at Tunis.

Barometer and Wind.

7 a.m.



6 p.m.



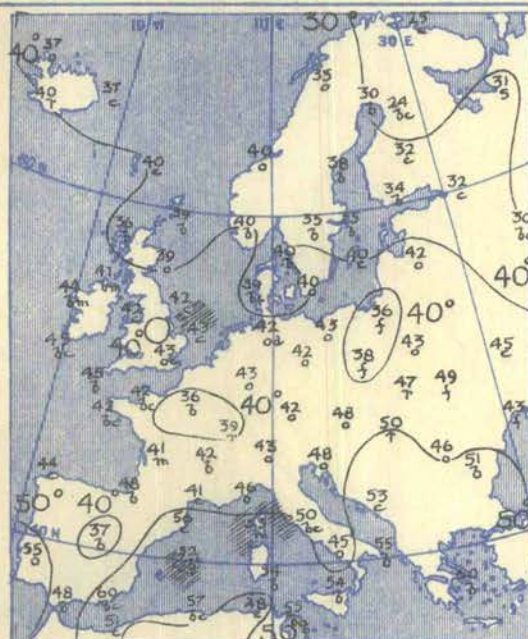
Wind in morning generally anticyclonic in the north of our area, cyclonic elsewhere; very few stations reporting a greater force than a moderate breeze. North-Easterly current increasing in strength by evening over England, and a strong Westerly gale setting in on the extreme north coast of Norway.

Barometer in morning ranging from 30.1 ins. to above 30.2 ins. in a large area covering the sea off the north of Scotland, Iceland, and a large portion of northern Europe; to below 29.9 ins. in a large low pressure system of irregular form over the south of these Islands, France, central Europe, and Italy. Three distinct minima existing. Below 29.6 ins. in the far north of Norway. Not much change occurring later in the general distribution of pressure, but both high and low pressure systems undergoing some modification in form and intensity.

Thursday, 7th April, 1910.

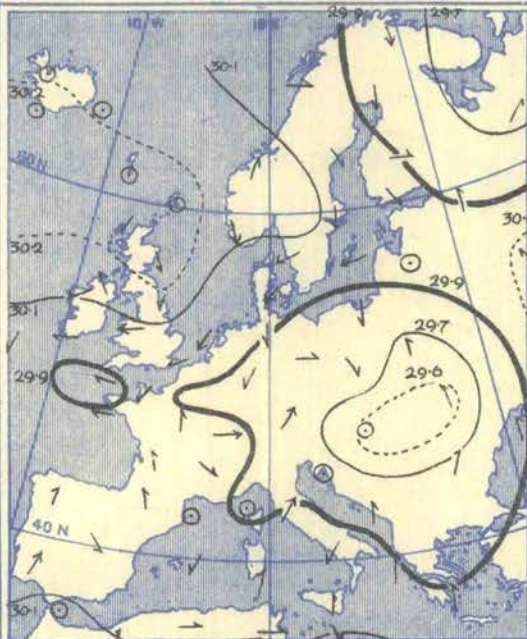
Temperature and Weather.

7 a.m.

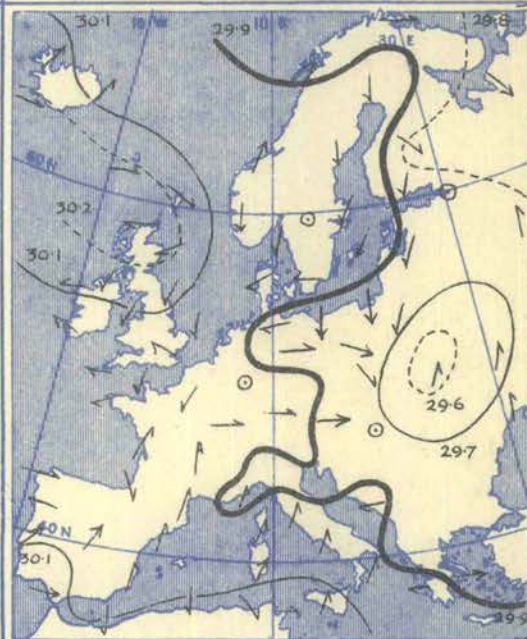


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to bright at most places in the northern and southern countries of the Continent, but snow falling at Archangel; generally cloudy or overcast in Great Britain and the central regions of Europe, with rain at a few widely separated stations. Rain experienced later in places over an extensive area on the Continent, but quantity mostly slight. A thunderstorm occurring at Warsaw.

Temperature showing no decided change. Morning readings ranging from 30° or below in the north-east of our area and about 40° in many regions to above 50° on most shores of the Mediterranean, 60° at Athens and to 61° at Sfax. Remaining below 50° throughout the day over most of England, but rising to above 50° in the west and north of Scotland and in Ireland. Maxima below 50° at many stations in Germany, but above 60° at several places in the south of our area, 70° at Athens and 77° at Tunis. Sharp frost at night at Naira.

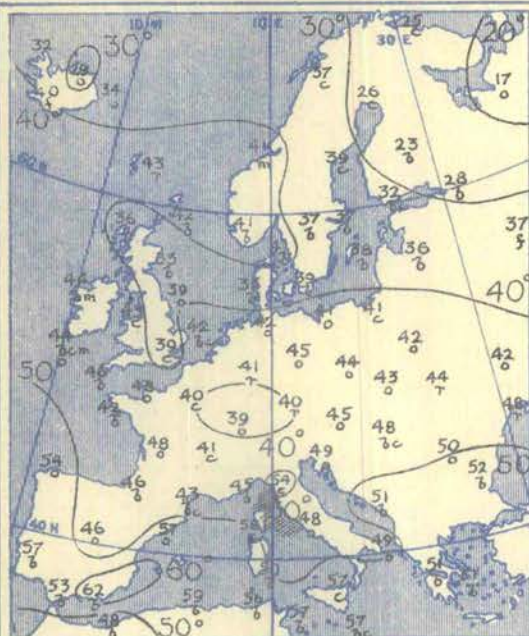
Wind in morning showing two main cyclonic circulations on the Continent, and an anticyclonic movement over the Icelandic region and the greater part of the United Kingdom. Scarcely any stations with a force greater than a moderate breeze in any part of our area. A strong breeze from South-West prevailing at Leghorn and continuing all day.

Barometer in morning above 30.2 ins. over Scotland and thence to Iceland and beyond; below 29.6 ins. in a depression over Hungary, nearly as low in another disturbance over the White Sea, and below 29.9 ins. in a shallow system off the south-west of England. Some local irregularities in pressure shown over the Mediterranean region. No important change occurring later in the general distribution; south-western disturbance dispersing or moving away westward. Barometer falling somewhat in Iceland and the north-west of Norway.

Friday, 8th April, 1910.

Temperature and Weather.

7 a.m.

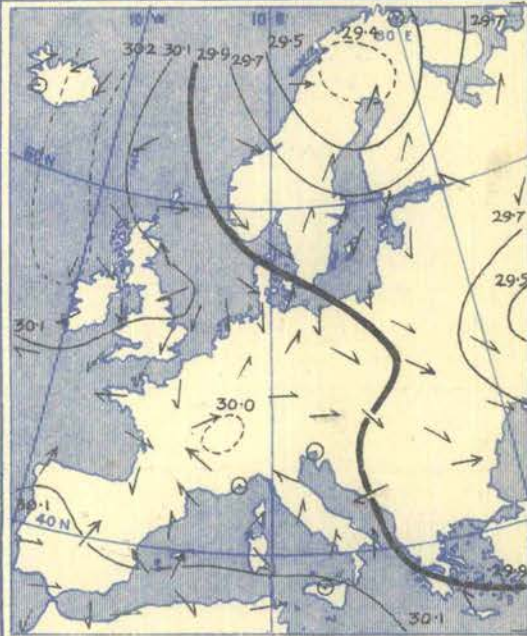


Barometer and Wind.

7 a.m.



6 p.m.



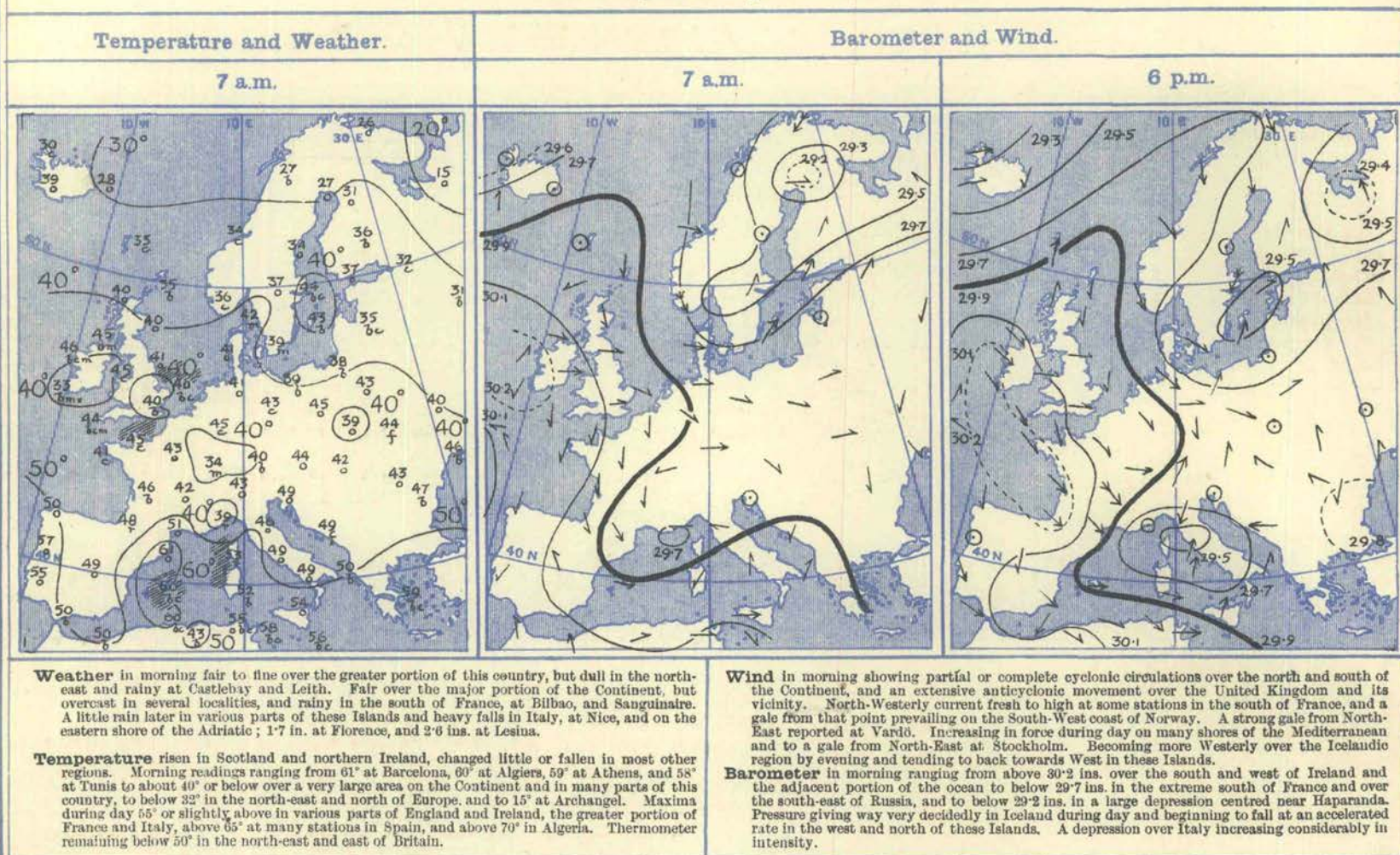
Weather in morning fair to fine over a large portion of our area, both in the south and north, but rainy at Flushing, some German stations, in the extreme south of Russia, and at Lemberg. Slight rain later in the extreme north of this country, and heavy amounts at many stations in scattered regions on the Continent. Nearly an inch on the north coast of Spain and at Biarritz, rather more than an inch at Florence, and 1.3 in. at Kharkoff. Considerable falls in the south of France and the Riviera.

Temperature risen in some localities, but fallen generally. Morning readings ranging from 62° at Malaga, 59° at Athens and Algiers, and about 55° at some other stations in the south, to 40° or below in several parts of these Islands and over the northern regions of the Continent, to 30° at Naira, 25° at Haparanda and Kuopio, and to 17° at Archangel. Maxima during day below 50° over the greater portion of these Islands, but 55° at Naira and 56° at Leith. Thermometer rising to 60° at many places on the shores of the Mediterranean. Minimum at night, 25° at Bir Castle.

Wind in morning showing an anticyclonic movement over these Islands, cyclonic circulations elsewhere. A fresh or strong breeze prevailing at some stations on the shores of the Mediterranean and in the south-east of Europe, but little force generally. No important change during day.

Barometer in morning above 30.2 ins. in an anticyclone in the north and north-west of these Islands and the adjacent portion of the ocean, and also in Algeria; below 29.6 ins. in a depression over the far north of Norway and in another system centred over the south-east of Russia. Little modification taking place later in the general distribution of pressure; northern depression travelling eastward and increasing somewhat in depth. High pressure system moving slightly further south, and barometer falling a little in the west of Iceland, as well as in Scotland.

Saturday, 9th April, 1910.



VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910, April 4th, 10.12 a.m. to 10.40 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature	280°	278·5°	277·5°	276°				276·5°	{ Some clouds below 1,000 m. Very gusty wind.
			Humidity	80%	80%	85%	90%				60%	
			Wind	10°, 7	10°, 10	20°, 12	20°, 12				20°, 12	

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1
No. of Kites	2
Area of Surface (metres)	11
Length of Wire (metres)	1,800

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE 121

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 15. FIFTEENTH WEEK, SUNDAY, APRIL 10TH, TO SATURDAY, APRIL 16TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was of an unsettled type over the whole Kingdom, rain falling at nearly every station after Monday. Thunderstorms were experienced in many eastern and south-eastern localities on Wednesday, at a few central and eastern stations on Friday, and over a wide area, extending from the coast of Lancashire to Kent and Surrey, on Saturday. Sleet and snow showers occurred from time to time in the northern districts, and the thunderstorm of Saturday (which was very severe in the northern and north-eastern suburbs of London) was accompanied in places by heavy hail.

Temperature was below the normal in Ireland and Scotland, just equal to it in the English Channel, and above it in England, the difference being 3° in the Midland Counties, and nearly 4° in England E. The highest of the maxima were registered either on the 10th or 13th at most stations, and ranged from 62° in England E. and S.E., and 60° or 61° in several other districts, to 53° in Scotland N. The lowest of the minima, which were recorded on rather irregular dates, ranged from 23° in Scotland E. and 24° in Scotland N. to 33° in England S.E. and N.W., and to 37° in the English Channel. The lowest grass temperatures were 20° at Balmoral, Llangammarch Wells and Markree Castle, 21° at Crathes, 22° at Hereford, and 23° at West Linton and Colmonell.

Mean Temperature of the Sea. At almost every station the water was colder than during the corresponding week of last year, the difference being more than 3° at Kirkwall, Cleggan and Seafeld. The means for the week ranged from 49° at Newquay, 48° at Plymouth and Seafeld and 47° on the north-west coast of Ireland and at Salcombe and Margate to 42° at Burnmouth and Kirkwall.

Rainfall exceeded the average, the excess being large generally, and very large in Scotland. Falls of more than one inch occurred very commonly in Scotland on the 13th or 16th, and at a few stations on both days, while at Fort William and Glencarron more than inch fell on the 11th. The heaviest fall of the week was at Greenwich, where the thunderstorm of Saturday yielded 1.5 inch.

Bright Sunshine was much below the normal generally, but slightly above it in England E. The percentage of the possible duration ranged from 40 in England E. and the English Channel and 33 in England S.W. to 17 in Scotland N. and E.

Barometer and Wind.—Soon after the commencement of the week the barometer fell decidedly over the United Kingdom and the surrounding regions, and by Tuesday a large and complex low pressure system lay directly over these islands. This system underwent some modification daily both in form and intensity, and by the end of the week one portion had travelled away northward, while the other was moving slowly eastward over England. The wind varied a good deal, but it was mainly from some point between South-West, South or South-East over the eastern and southern districts, and (after Monday) from some Northerly point in the west and north. It blew strongly at times in some exposed places, reaching the force of a gale in squalls on the north coast of Scotland and also in the Scilly Isles.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 116.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.	
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Unusual	Unusual	Unusual	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Moderate	
	Rainfall ...	Very heavy	Very heavy	Heavy	Heavy	Heavy	Heavy	Very heavy	Heavy	Heavy	Moderate	Heavy	Heavy	
	Sunshine ...	Very scanty	Scanty	Scanty	Moderate	Scanty	Scanty	Scanty	Moderate	Moderate	Scanty	Scanty	Scanty	

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 6 weeks from March 6th, 1910.	Warmth ...	3*1	2*1	3*0	2*1	3*3	1*3	2*1	2*0	1*2	2*1	0*1	1*1
		1*3	2*2	2*3	3*2	1*3	3*3	2*3	1*3	1*3	1*3	2*3	2*2
	Sunshine ...	3*1	1*1	1*2	2*2	2*2	3*3	1*2	2*1	2*1	1*3	1*2	3*2

PAST SEASONS.

SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4*3	5*7	6*2	4*1	6*2	3*4	6*1	6*3	4*4	6*2	4*4	5*1
		3*5	8*2	7*5	7*4	6*4	6*3	5*4	6*5	5*4	5*4	6*4	5*4
	Sunshine ...	2*2	3*4	4*5	5*5	6*4	6*4	5*4	7*4	6*4	5*5	6*3	5*5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1*7	1*8	2*7	2*9	2*7	2*10	1*7	1*8	2*7	1*5	1*4	2*8
		3*5	2*6	5*6	5*3	4*4	5*5	4*4	5*4	4*6	1*5	1*9	2*7
	Sunshine ...	5*3	4*3	1*7	3*6	3*6	4*7	2*4	3*6	4*5	3*5	4*5	4*4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2*6	3*5	2*6	4*5	4*5	3*6	3*7	3*6	3*6	4*7	4*6	3*5
		5*7	5*4	1*4	3*1	3*4	5*4	4*5	4*6	4*5	4*7	5*8	5*5
	Sunshine ...	5*2	5*3	3*5	2*6	2*5	3*2	5*5	5*2	4*4	5*2	5*2	4*5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1*5	2*4	3*4	4*2	3*2	5*4	3*4	5*3	4*4	3*6	2*6	4*4
		4*2	5*2	5*2	6*1	7*2	5*2	6*1	7*1	7*2	6*3	6*3	5*3
	Sunshine ...	10*2	6*0	4*2	7*2	8*2	8*2	5*1	8*0	6*1	4*4	4*1	3*3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FIFTEENTH WEEK—April 10th to April 16th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	53	24	44·8	34·1	39·2	- 2·7	Day-deg. 8	Day-deg. - 15	Day-deg. 28	Day-deg. + 6	6	+ 1	Inches. 3·19	Inches. +2·49	16	- 16	% 17	% -16
Eastern																		
1. SCOTLAND, EAST	57	23	47·3	36·0	41·4	- 0·9	15	- 15	23	0	5	+ 1	2·08	+1·65	17	- 16	17	-17
2. ENGLAND, N.E.	60	29	53·9	39·4	46·3	+ 2·9	41	+ 14	7	- 9	5	+ 2	0·85	+0·50	26	- 9	28	- 9
3. ENGLAND, EAST	62	32	55·5	42·0	48·4	+ 3·8	45	+ 8	0	- 15	5	+ 1	0·61	+0·26	37	+ 1	40	+ 2
4. MIDLAND COUNTIES	61	32	56·0	39·9	47·6	+ 3·0	48	+ 9	6	- 11	5	+ 2	0·86	+0·46	25	- 8	27	- 8
5. ENGLAND, S.E.	62	33	54·3	43·1	48·5	+ 2·5	46	+ 6	0	- 10	6	+ 3	0·78	+0·45	26	- 10	27	-11
Western																		
6. SCOTLAND, WEST	56	30	47·1	38·5	42·6	- 1·1	19	- 11	10	- 6	6	+ 2	1·86	+1·24	20	- 16	21	-16
7. ENGLAND, N.W.	59	33	52·1	40·4	46·0	+ 1·4	35	+ 8	4	- 8	5	+ 2	1·04	+0·57	27	- 5	29	- 6
8. ENGLAND, S.W.	61	30	52·4	40·5	46·2	+ 0·2	36	- 2	4	- 4	6	+ 2	0·89	+0·39	31	- 6	33	- 7
9. IRELAND, NORTH	60	28	48·4	37·0	42·5	- 2·4	25	- 9	14	+ 3	5	+ 1	0·71	+0·18	24	- 10	25	-10
10. IRELAND, SOUTH	61	28	49·9	36·8	43·1	- 3·2	30	- 11	15	+ 7	5	+ 1	0·93	+0·36	29	- 8	31	- 8
11. ENGLISH CHANNEL	59	37	53·8	43·1	48·2	0·0	43	- 1	0	- 1	5	+ 1	0·75	+0·33	37	- 6	40	- 7
THE SEASON (Spring).—Aggregates, &c., for the Period of 6 Weeks, March 6th to April 16th, 1910.																		
0. SCOTLAND, NORTH	60	20	*	*	*	*	107	+ 17	136	- 32	28	- 1	6·40	+0·89	148	- 3	29	- 1
Eastern																		
1. SCOTLAND, EAST	62	23	*	*	*	*	133	+ 10	146	- 35	20	- 4	3·74	+0·79	167	0	32	0
2. ENGLAND, N.E.	60	24	*	*	*	*	163	+ 33	109	- 32	16	- 5	1·88	- 0·44	178	- 7	35	- 1
3. ENGLAND, EAST	62	21	*	*	*	*	175	+ 5	114	- 34	18	- 2	1·95	- 0·14	196	+ 9	38	+ 2
4. MIDLAND COUNTIES	61	23	*	*	*	*	178	+ 1	148	- 4	17	- 2	1·91	- 0·45	175	+ 7	34	+ 1
5. ENGLAND, S.E.	62	22	*	*	*	*	171	- 9	94	- 12	18	0	2·61	+0·35	202	+ 17	39	+ 3
Western																		
6. SCOTLAND, WEST	60	26	*	*	*	*	141	+ 16	96	- 36	22	- 2	3·91	- 0·55	156	- 18	30	- 3
7. ENGLAND, N.W.	59	23	*	*	*	*	142	+ 6	92	- 23	21	- 1	2·45	- 0·70	180	+ 18	35	+ 4
8. ENGLAND, S.W.	61	20	*	*	*	*	164	- 12	85	- 3	18	- 4	2·29	- 1·16	212	+ 24	41	+ 5
9. IRELAND, NORTH	60	26	*	*	*	*	157	+ 6	89	- 19	22	- 4	2·93	- 0·62	146	- 17	28	- 3
10. IRELAND, SOUTH	62	25	*	*	*	*	185	- 7	74	- 8	23	0	3·01	- 0·84	168½	- 17	33	- 3
11. ENGLISH CHANNEL	60	31	*	*	*	*	219	+ 10	21	- 8	17	- 6	2·63	- 0·20	256	+ 32	50	+ 6
THE YEAR.—Aggregates, &c., for the Period of 13 Weeks, January 3rd to April 16th, 1910.																		
0. SCOTLAND, NORTH	60	2	*	*	*	*	155	+ 5	523	+ 25	80	+ 5	18·10	+1·63	269	+30	26	+ 3
Eastern																		
1. SCOTLAND, EAST	62	-10	*	*	*	*	191	0	555	- 3	63	+ 4	9·78	+1·84	320	+29	31	+ 3
2. ENGLAND, N.E.	60	6	*	*	*	*	247	+37	410	- 32	57	+	6·30	+0·59	335	+24	32	+ 2
3. ENGLAND, EAST	62	17	*	*	*	*	295	+35	363	-124	58	+ 4	6·30	+0·84	332	+55	35	+ 5
4. MIDLAND COUNTIES	61	10	*	*	*	*	285	+ 4	437	- 51	59	+ 7	7·18	+0·64	344	+56	32	+ 5
5. ENGLAND, S.E.	62	13	*	*	*	*	310	+12	272	- 93	61	+11	8·79	+2·08	337	+69	36	+ 6
Western																		
6. SCOTLAND, WEST	60	0	*	*	*	*	223	+14	387	- 7	69	+ 5	15·23	+1·92	286	+ 6	27	+ 1
7. ENGLAND, N.W.	59	7	*	*	*	*	255	+25	311	- 55	71	+13	11·34	+2·52	337	+62	32	+ 6
8. ENGLAND, S.W.	61	8	*	*	*	*	324	- 3	228	- 59	67	+ 9	12·17	+1·72	378	+54	35	+ 5
9. IRELAND, NORTH	60	7	*	*	*	*	288	+12	322	- 3	75	+ 7	12·65	+2·57	280	- 1	26	0
10. IRELAND, SOUTH	62	18	*	*	*	*	369	- 9	246	- 1	77	+16	13·71	+2·31	317½	- 4	29	0
11. ENGLISH CHANNEL	60	28	*	*	*	*	452	+24	54	- 54	67	+ 3	11·17	+2·43	444	+52	41	+ 5

NOTES ON TABLES II. & III.

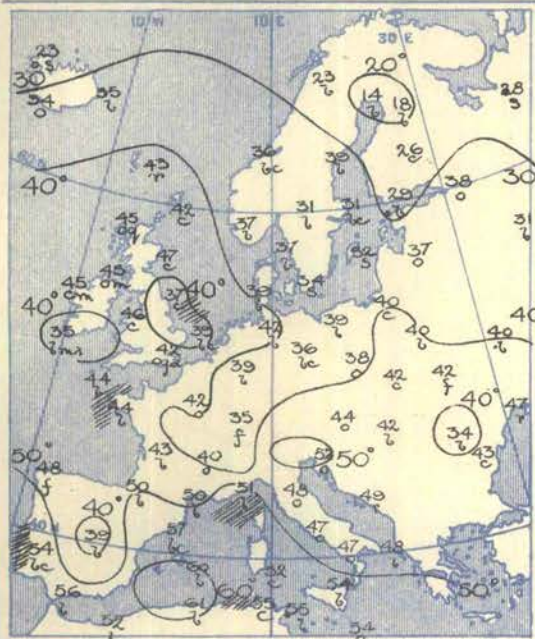
* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 § The corresponding value for Report No. 11 slightly altered owing to receipt of further information.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.		Bright Sunshine.				NAMES OF STATIONS.					
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.						
						Of Highest each day.	Of Lowest each day.	For whole of each day.											Above 42°	Below 42°			
																					Day	Day	
SCOTLAND, N.	a, Islands.	p Balta Sound	8	49	16th	33	14th	45.1	35.2	39.9	—	—	—	—	—	—	—	—	Balta Sound.				
		a Sumburgh Head	..	48	11th	24	14th	44.6	29.7	36.8	—	4.0	7	42	6	2.19	+ 1.69	13.0	—20.0	Deerness.			
		a Stornoway	..	50	10th	31	15th	44.6	35.3	39.7	—	2.8	7	24	5	2.33	+ 1.63	25.5	—9.5	Stornoway.			
		a Castlebay, Barra Isd.	..	49	10th	34	12th, 14th	44.6	37.9	41.1	—	4.1	7	15	5	2.42	+ 1.82	23.4	—	Castlebay.			
		a Wick	..	53	10th	30	16th	46.9	35.7	41.0	—	1.3	14	23	5	2.25	+ 1.80	—	—	..			
		p Strathpeffer	..	53	10th	39	15th, 16th	45.3	34.8	39.8	—	2.8	9	26	6	1.75	+ 1.32	7.8	—23.4	Strathpeffer.			
		p Glencarron	..	50	10th	28	16th	42.3	33.1	37.5	—	4.0	1	39	7	4.56	+ 3.26	—	—	..			
		p Fort Augustus	..	53	10th	27	16th	45.0	35.0	39.8	—	2.9	8	25	5	3.58	+ 3.01	10.2	—15.2	Fort Augustus.			
	p Fort William	..	53	10th	30	15th, 16th	45.3	35.7	40.3	—	3.6	9	23	6	4.24	+ 3.23	—	—	..				
1. SCOTLAND E. ..		p Gordon Castle	..	55	10th	28	16th	47.6	34.5	40.7	—	2.5	16	28	4	2.72	+ 2.32	17.1	—	18	—	Gordon Castle.	
		a Nairn	..	53	10th	27	16th	45.6	34.7	39.9	—	2.8	10	26	4	2.23	+ 1.96	12.8	—	13	—	Nairn.	
		a Aberdeen	..	57	10th, 12th	23	15th, 16th	49.3	38.0	43.4	+ 0.4	27	11	6	1.51	+ 1.05	15.7	—18.9	16	—20	Aberdeen.		
		a Balmoral	..	50	12th	23	16th	46.0	33.4	39.4	0.0	11	31	3	2.13	+ 1.58	19.3	—	20	—	Crathes S.		
		p Crieff	..	55	10th	31	15th	47.0	35.4	40.9	—	2.9	14	25	5	2.50	+ 1.96	14.1	—	15	—	Balruddery	
		a Leith	..	55	10th	33	16th	48.6	39.9	44.0	—	0.3	23	6	2.50	+ 2.21	14.2	—13.1	15	—14	Edinburgh.		
		a West Linton	..	53	13th	29	15th	45.9	35.1	40.2	—	0.6	11	25	5	1.69	—	—	—	—	—	West Linton.	
		p Marchmont	..	57	13th	32	10th	48.7	36.7	42.4	+ 0.4	25	15	5	1.31	+ 0.82	21.7	—9.8	23	—10	Marchmont.		
2. ENGLAND, N.E.		a Alnwick Castle	..	59	13th	29	10th	51.5	38.5	44.7	+ 2.0	34	10	5	0.78	+ 0.33	21.9	—	23	—	—	—	Cockle Park.
		a Shields	..	58	14th	32	10th	51.6	38.1	44.5	+ 1.3	34	11	5	0.65	+ 0.33	15.5	—8.9	16	—9	Newcastle.		
		p Durham	..	58	13th	32	10th	51.5	38.4	44.6	+ 1.7	33	10	4	0.88	+ 0.53	19.9	—10.1	21	—11	Durham.		
		p Rounton	..	57	12, 13, 16th	30	10th	53.5	38.0	45.4	+ 2.7	41	11	4	0.79	+ 0.39	—	—	—	—	..		
		p Scarborough	..	60	14th	33	10th	55.3	39.0	46.8	+ 3.0	46	8	4	0.59	+ 0.19	29.3	—	31	—	Scarborough.		
		p York	..	58	13th	34	10th, 11th	55.3	39.1	46.8	+ 2.1	46	8	5	1.75	+ 1.36	18.6	—11.6	20	—12	York.		
		a Spurn Head	..	59	15th	36	10th	55.3	41.1	47.9	+ 3.9	45	3	4	0.62	+ 0.36	—	—	—	—	..		
		a Lincoln	..	60	13th	35	11th	56.6	40.6	48.2	+ 3.2	49	4	5	0.72	+ 0.39	40.6	—	43	—	Skegness.		
	a Fulbeck	..	59	13th, 15th	36	10th	55.9	41.7	48.5	+ 3.7	47	1	4	0.59	+ 0.23	30.8	—	32	—	Raueby.			
3. ENGLAND, E.		p Cromer	..	61	13th, 15th	35	10th	57.2	41.7	49.1	+ 5.2	51	1	5	0.31	—	47.7	—	59	—	Lowestoft.		
		p Hillington	..	61	13th, 15th	35	10th	57.8	41.1	49.1	+ 4.4	53	3	5	0.94	+ 0.54	34.3	+ 0.2	37	0	Cromer.		
		a Yarmouth	..	57	13th	37	10th	52.0	42.1	46.8	+ 3.2	34	0	4	0.52	+ 0.18	60.9	—	65	—	Hillington.		
		a Norwich	..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Yarmouth.		
		p Geddeston	..	62	13th	32	10th	57.2	40.6	48.5	+ 4.1	51	4	4	0.35	—	0.01	45.3	+ 9.2	48	+10	Geddeston.	
		p Cambridge	..	62	13th	38	10th, 11th	57.1	41.8	49.1	+ 3.6	51	1	5	0.87	+ 0.54	27.5	—8.2	29	—9	Cambridge.		
		a Felkistow	..	54	13th	37	10th	51.3	43.1	47.0	+ 3.4	35	0	4	0.62	—	50.2	—	53	—	Felkistow.		
		a Clacton-on-Sea	..	55	13th	38	10th	51.3	43.3	47.1	+ 2.6	36	0	4	0.23	—	41.8	—	45	—	Clacton.		
	a Rothamsted	..	59	12th	38	10th, 16th	55.1	41.0	47.7	+ 3.3	44	3	5	0.48	+ 0.10	20.1	—13.5	21	—14	Rothamsted.			
	a Shoeburyness	..	59	13th	39	10th	54.6	43.0	48.5	+ 3.2	46	0	4	0.38	+ 0.13	32.3	—	34	—	Southend.			
	p Tottenham	..	61	13th	40	10th	56.0	44.0	49.7	+ 4.0	54	0	5	1.14	—	18.9	—	20	—	Tottenham.			
4. MIDLAND COUNTIES.		a Harrogate	..	55	12, 13, 14th	33	15th	53.4	37.8	45.2	+ 2.0	40	12	4	1.16	+ 0.72	23.9	—	25	—	—	—	Harrogate.
		a Bawtry	..	60	14th	35	10th, 11th	57.0	39.9	48.0	+ 3.0	51	6	5	1.25	+ 0.82	21.3	—8.2	22	—9	Workshop.		
		p Buxton	..	55	11th	33	11th	52.7	38.4	45.2	+ 3.6	38	10	5	1.29	+ 0.89	34.1	—	36	—	Buxton.		
		a Nottingham	..	58	13, 15, 16th	35	10th, 11th	56.7	39.1	47.5	+ 2.8	51	8	5	0.52	+ 0.17	25.9	—	27	—	Nottingham.		
		p Birmingham, Edgban	..	59	16th	37	11th	56.1	40.7	48.0	+ 3.3	47	4	5	1.00	+ 0.58	26.3	—	28	—	Birmingham.		
		a Raunds	..	61	11th, 13th	36	10th, 11th	57.7	39.7	48.3	+ 3.7	54	6	6	0.86	—	—	—	—	—	..		
		a Oxford	..	58	11, 12, 13, 16	41	10th, 11th	55.9	42.7	49.0	+ 3.3	49	0	6	1.37	+ 1.04	20.4	—13.3	22	—14	Oxford.		
		a Cheadle	..	57	15th	34	14th	53.8	40.6	48.5	+ 1.8	41	11	5	0.86	+ 0.39	26.0	—	28	—	Sheffield.		
	p Shrewsbury	..	60	11th	33	11th	57.5	40.2	47.8	+ 2.8	45	5	4	0.61	+ 0.22	—	—	—	—	..			
	a Hereford	..	59	10th	32	11th	56.2	40.2	47.8	+ 2.1	45	5	4	0.61	+ 0.22	—	—	—	—	..			
	a Cirencester	..	60	13th	35	11th, 16th	56.6	39.6	47.7	+ 3.4	50	7	5	0.76	+ 0.36	24.6	—10.2	26	—11	Cirencester.			
	a Bath	..	57	10, 11, 13th	35	11th	55.6	40.6	47.7	+ 1.7	46	4	4	0.64	+ 0.18	31.0	—	33	—	Bath.			
5. ENGLAND, S.E. ...		p Kew	..	62	13th	40	16th	56.6	44.0	50.0	+ 3.9	56	0	5	0.26	—	0.08	20.4	—17.6	22	—19	Ramsgate.	
		a Marlborough	..	57	13th	38	14th	53.6	41.2	47.1	+ 3.0	39	2	6	1.63	+ 1.16	21.2	—10.3	22	—11	Kew.		
		a Margate	..	62	13th	37	11th	55.8	42.9	49.0	+ 3.7	49	0	5	1.35	+ 1.04	38.4	+ 3.6	41	+ 4	Margate.		
		a Wisley, Surrey	..	60	13th	41	10th, 16th	55.4	43.5	49.2	+ 2.6	50	0	6	0.31	—	23.1	—	25	—	Wisley.		
		a Swaraton	..	58	11th	39	16th	53.9	42.4	47.9	+ 3.1	41	0	5	0.66	+ 0.21	27.5	—	30	—	Worthing.		
		a Tunbridge Wells	..	62	13th	37	11th	55.3	40.9	47.8	+ 2.7	45	3	5	0.79	+ 0.39	25.3	—10.7	27	—12	Tunbridge Wells.		
		a Dungeness	..	55	13th	38	10th	52.0	43.0	47.3	+ 2.1	37	0										

Sunday, 10th April, 1910.

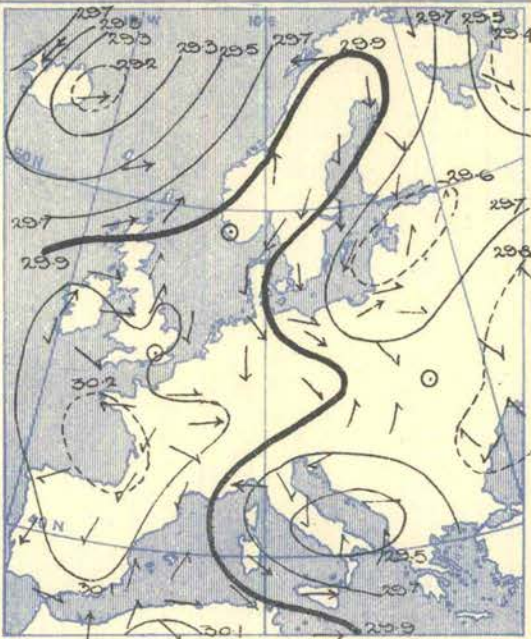
Temperature and Weather.

7 a.m.

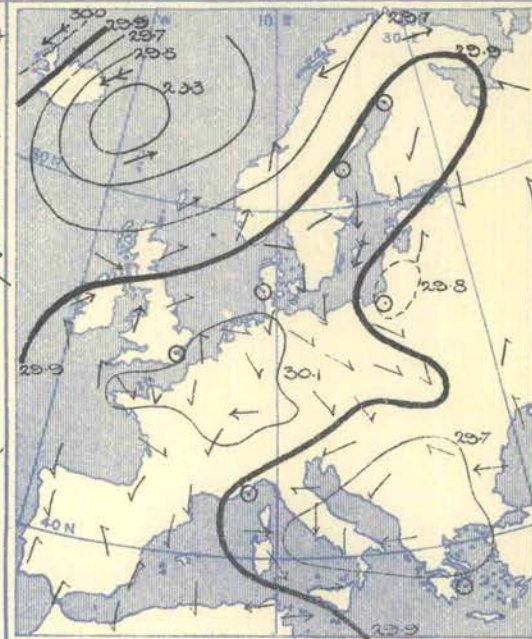


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in a few parts of England, but fair to fine over these Islands generally and also over Scandinavia, France, and most of the Mediterranean region. Snow falling in Iceland, at Wisby, Copenhagen, and Prague, and rain at Lesina, Pesaro, and Odessa. Some rain later in the extreme north-west of these Islands and in some places scattered over a wide area on the Continent, but conditions fair to fine generally.

Temperature in morning ranging from 61° at Algiers and Stax, 60° at Palma, and above 50° in some other southern regions, to less than 40° over the major portion of Europe, and to much below 32° in the northern parts of Scandinavia and Finland. Rising to nearly 60° on the south-west coast of England during day and touching that figure at Birr Castle. Maximum only 46° on the coast of Norfolk, and 45° at Brighton; below 50° in nearly all parts of Germany, above 60° in the south of our area, 70° at Madrid and Algiers, and 75° at Tunis.

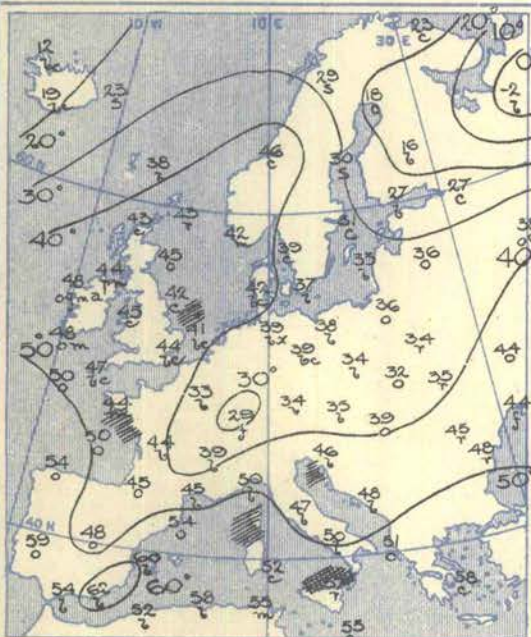
Wind in morning showing three distinct cyclonic circulations. Strong winds from various quarters prevailing over the Mediterranean, a gale from the North-East at Wisby, and a strong gale from the North-East in the north-west of Iceland. Gale continuing all day at Wisby and becoming more general in Iceland. A strong breeze from the South-Westward setting in at Stornoway and Sumburgh Head, and a light to moderate breeze from that point extending over these Islands as a whole.

Barometer in morning ranging from above 30.2 ins. in an anticyclone centred over the Bay of Biscay, to below 29.2 ins. in a depression over the east of Iceland. Relatively low in a depression having its centre over the Gulf of Riga and also in another over Italy. Pressure giving way decidedly over these Islands and the Bay of Biscay during day; anticyclonic centre moving eastward and becoming less well marked. Barometer rising again briskly in Iceland.

Monday, 11th April, 1910.

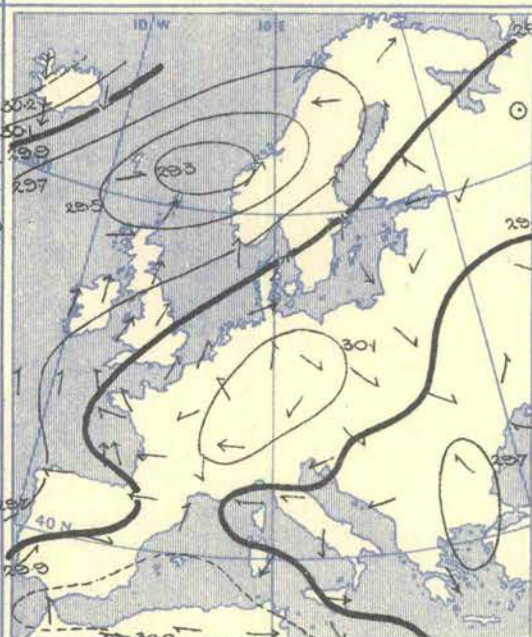
Temperature and Weather.

7 a.m.

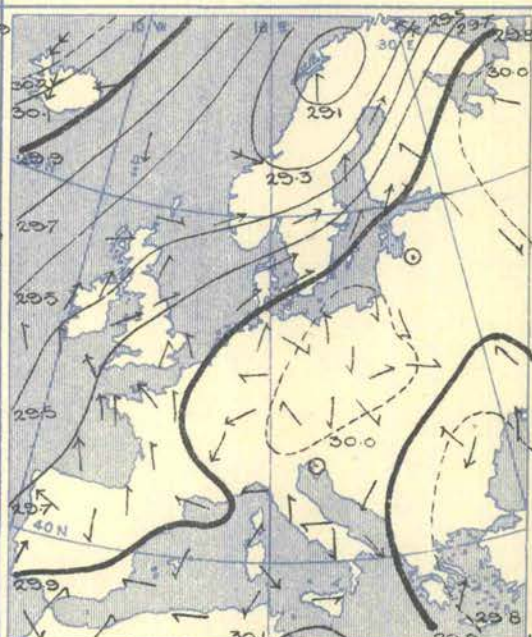


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright at nearly all stations in Russia, central Europe, France, and the south of our area, and also in places elsewhere; rainy in the north of Ireland, at Palermo, and in Poland and Transylvania, and snow falling in some parts of Scandinavia and in Iceland. Some rain in the west and north of the United Kingdom later—about 0.75 in. in the Hebrides. Considerable quantities at a few isolated spots on the Continent, but continuing dry generally.

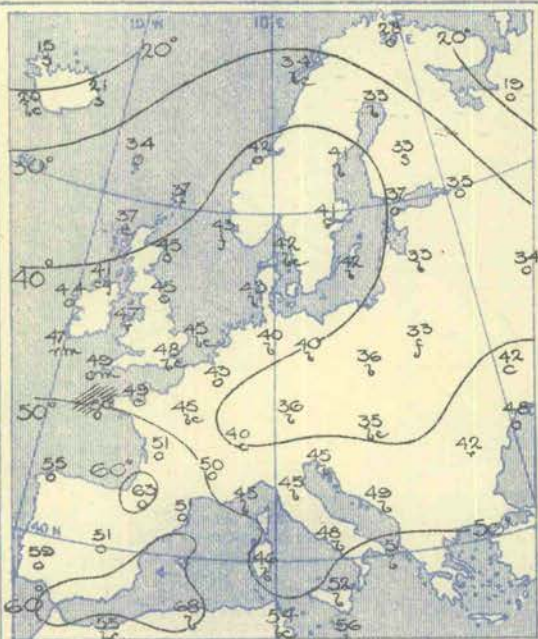
Temperature risen in many parts of these Islands and Scandinavia. Morning readings about 60° at a few places in the far south of our area, below 40° over a very large portion of the Continent, much below 32° in the north eastern regions, and as low as -2° at Archangel. Rising subsequently to between 55° and 58° in England and over a large area in France, to above 60° in the south of Europe, and to about 70° in places; highest value 75° at Madrid. Maxima lower over the central countries; 45° at Vienna and Prague, 41° at Breslau, and 39° at Cracow. Minima during night rather high over these Islands.

Wind in morning anticyclonic over the central countries of the Continent, cyclonic elsewhere; Northerly current strong to a gale over Iceland, and that from the Southward strong to a gale over Scandinavia. Westerly wind blowing freshly at some stations on the shores of the Mediterranean. No general change later; a gale from South-East reported at Toulouse by evening, and wind shifting from South-West to the Eastward and increasing to a strong gale at Vardo.

Barometer in morning ranging from above 30.1 ins. in a high pressure system over central Europe, and in another system to the north-westward of Iceland, to below 29.7 ins. in a depression over the south-east of Europe, and to below 29.4 ins. in a well-marked disturbance centred off the north of Scotland. Latter travelling north-eastward later in day, but pressure continuing to decrease decidedly in the west of these Islands and over the Bay of Biscay. Anticyclone becoming somewhat less intense.

Temperature and Weather.

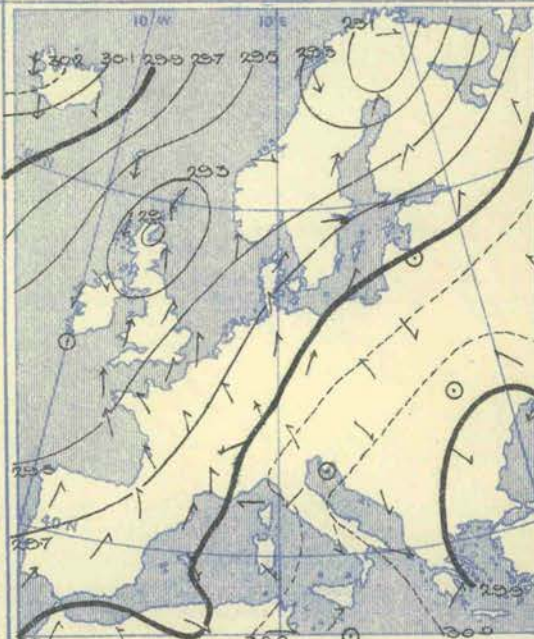
7 a.m.



Temperature risen in most regions. Morning readings 68° at Algiers, and about 60° at a few other southern stations; 40° or below over most of central and northern Europe and in the extreme north of these islands, and only 19° at Archangel. Rising later to 61° in London, and to 58° or 59° at some other English stations, but remaining below 50° in many Irish localities. Maxima 79° at Algiers and Tunis 70° at Bordeaux and Nancy, and between 60° and 70° in the more southern districts generally.

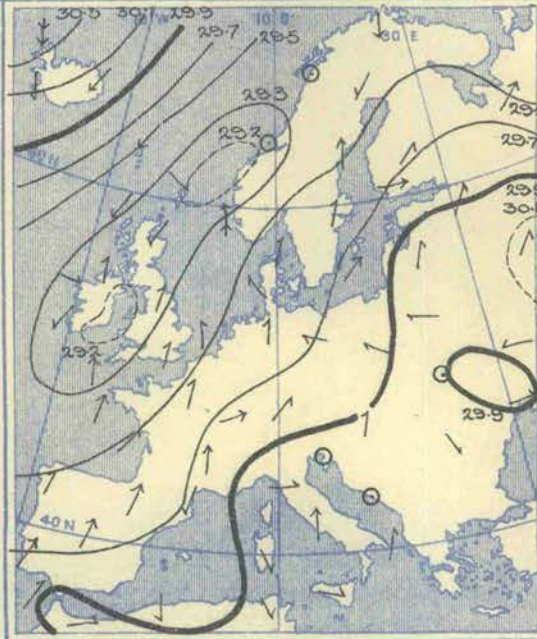
Barometer and Wind.

7 a.m.



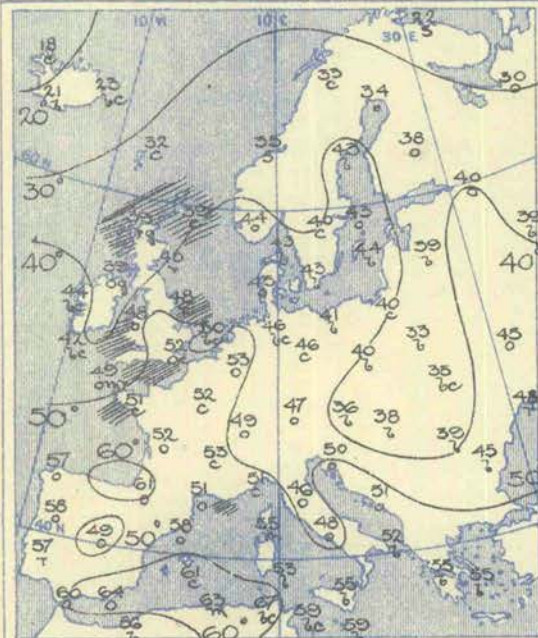
Barometer in morning above 30·2 ins. in the north-west of Iceland, and above 30·0 ins. in an irregularly shaped band extending from the Mediterranean across Italy to Poland and central Russia. Below 29·4 ins. in a low pressure band containing three minima and stretching north-eastward from the Atlantic across these Islands to the Arctic regions of Scandinavia. Pressure below 29·1 ins. in Caithness. Barometer falling during day over the greater part of our area but rising in Iceland and the north of Scotland.

6 p.m.



Temperature and Weather.

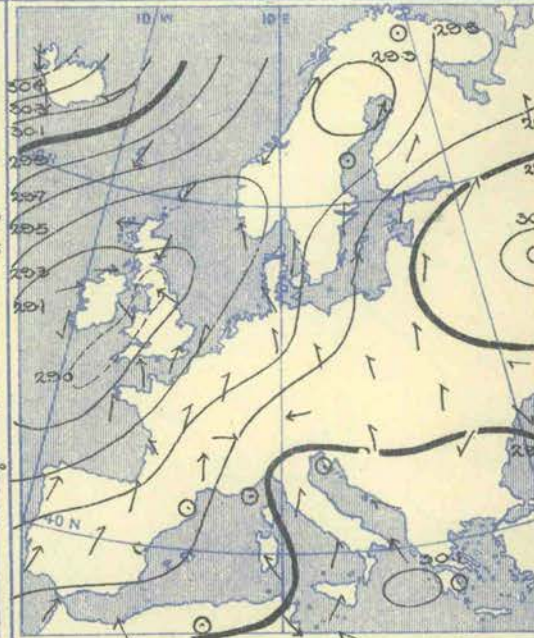
7 a.m.



Temperature fallen in Ireland and Scotland, risen nearly all other regions. Morning readings about 60° over the greater portion of Europe, France, and Italy, and above 60° at some places in the extreme south of Africa; below 40° at several stations in Ireland and Scotland, as well as over the whole area on the Continent. Maxima during day 61° in London, 62° at Deal and Margate, between 65° and 70° over Germany, the south of France, and in Italy, and above 70° at many places in Sicily, Spain, and Algeria. Highest readings, 81° at Palermo, 86° at Cape de Garde, and 91° at Biskra and Laghouat. Thermometer remaining below 50° in Ireland and Scotland and falling below 32° in central Ireland at night.

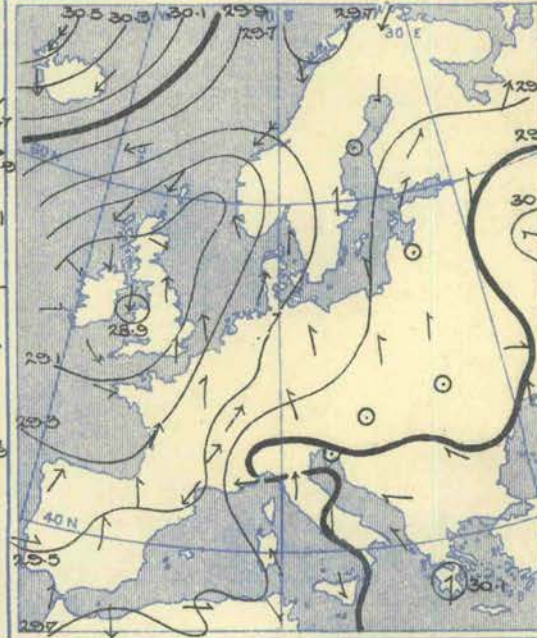
Barometer and Wind.

7 a.m.



Barometer in morning ranging from above 30·4 ins. in the north-west of Iceland, and above 30·1 ins in central Russia, to below 29·2 ins. in a depression over the north of Scandinavia, and to below 29·0 ins. in a very narrow, elongated system extending over the west of England, Wales, and the south-east of Scotland. Not much change later in the general distribution of pressure; Scandinavian depression travelling away or dispersing, and that over our Islands undergoing some modification in form and intensity.

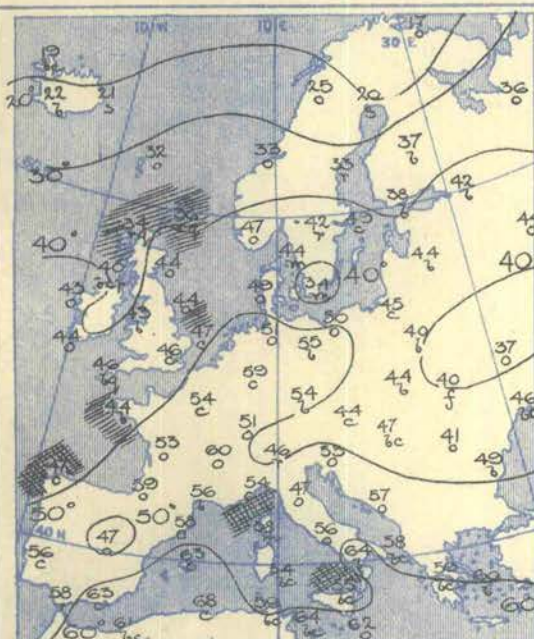
6 p.m.



Thursday, 14th April, 1910.

Temperature and Weather.

7 a.m.

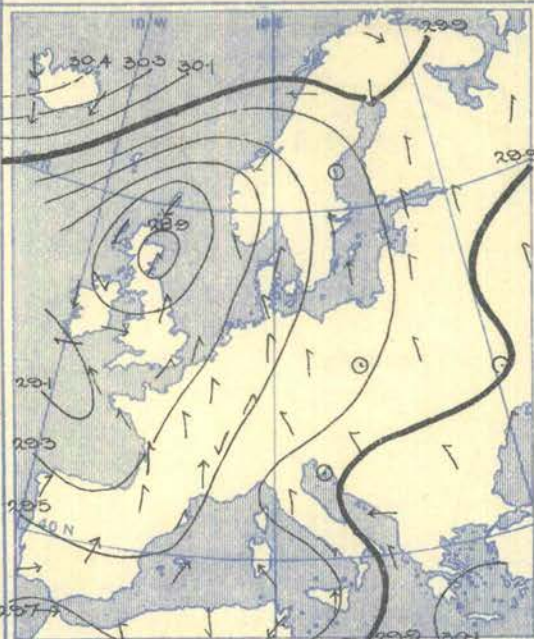


Weather in morning cloudy or overcast over the greater part of our area, with rain at Turin and Lugano, and also at San Fernando and in the extreme north of Scotland, and rain or sleet in the Hebrides. Rain or snow falling at some stations in Scandinavia and snow in the east of Iceland. Fine and bright at many places in the extreme south of our area. Some rain later in most parts of these Islands, lightning at Oban and thunder at Clacton-on-Sea and Dover. Considerable falls of rain in many parts of France, the Netherlands, and the north of Italy, and also in some other localities; largest measurement, 1.4 in. at Lugano.

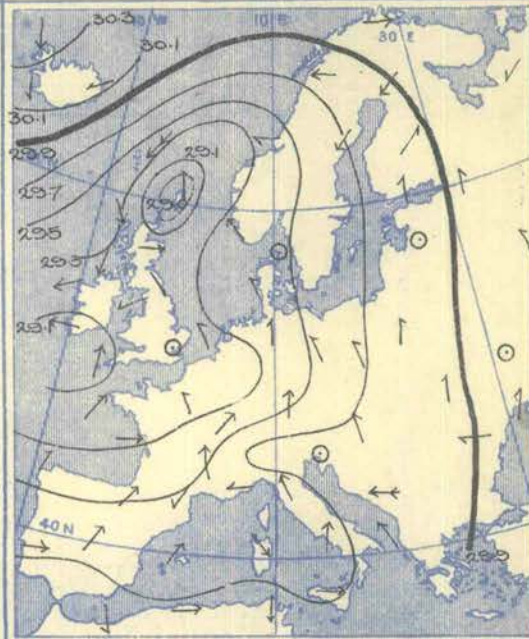
Temperature fallen over England, the Bay of Biscay, and the Peninsula, risen in most other regions. Readings in morning ranging from 72° at Sfax and above 60° at some other stations in the Mediterranean to below 40° in large patches over northern Europe and also at some of our own western and northern stations; lowest readings 20° at Haparanda and 17° at Vardö. Maxima during day between 55° and 60° in the north of England, but below 50° in the north of Scotland and the greater part of Ireland. Thermometer rising to about 70° over a large portion of central Europe and the east and south of France, as well as in Italy and Algeria.

Barometer and Wind.

7 a.m.



6 p.m.



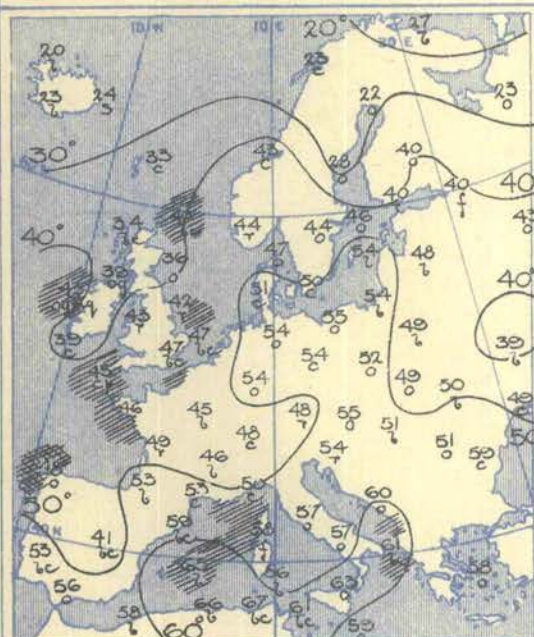
Wind in morning cyclonic over the major portion of our area, the chief movement being over the United Kingdom and its neighbourhood. North-Easterly current strong to a gale between Scotland and Iceland, but Southerly current over France, England, and the North Sea region light to fresh in force. A strong breeze from South prevailing at Sfax and a high wind from that quarter at Palermo. No general change later in day; increasing in force from West and North-West on some shores of the Mediterranean, blowing a high wind from South-East at Brindisi, and a gale from East at Lesina.

Barometer in morning below 29.9 ins. in a depression centred over Scotland, and below 29.1 ins. in another minimum off the south-west of these Islands. Above 30.4 ins. in the north-west of Iceland and relatively high in central Russia and the extreme south-east of our area. Little modification later in the general distribution of pressure; Scottish depression moving slowly northward, and barometer falling somewhat in Iceland.

Friday, 15th April, 1910.

Temperature and Weather.

7 a.m.

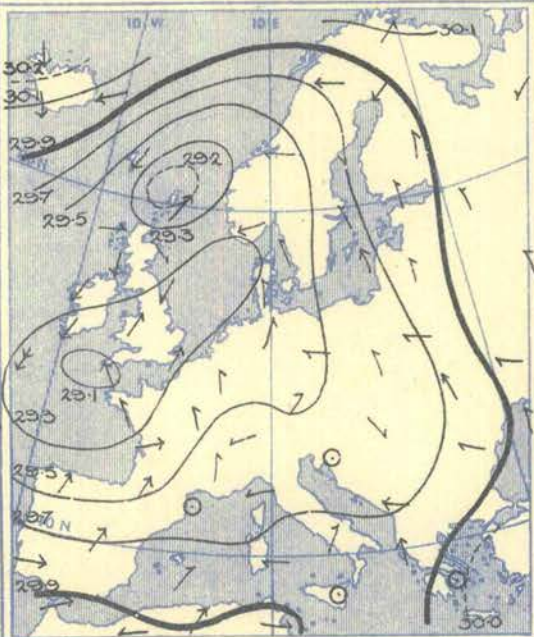


Weather in morning rainy in the north of England, at Scilly, in the north-west and west of France, as well as at Lugano and Munich; sleet falling at Birr Castle. Generally fair to fine elsewhere, but cloudy or dull in places, and rainy at Hangö. Some rain later over the greater portion of these Islands, with thunder and hail at Liverpool. Rain experienced over a large area in northern and southern Europe, with thunder and lightning in many parts of France; about an inch of rain measured at Lugano and Cherbourg.

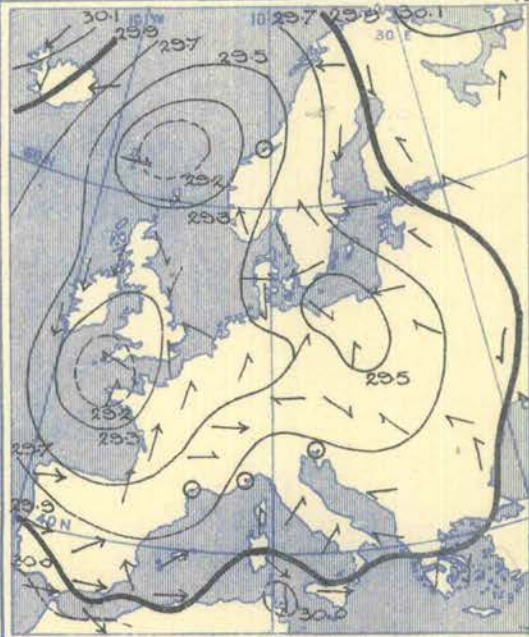
Temperature fallen in most regions, risen in Poland, Transylvania, and Roumania. Morning readings ranging from about 65° at a few stations in the extreme south, to above 50° over central Europe and in Denmark, to below 35° at some stations in Ireland and Scotland, and to much below 32° in the far north of our area; lowest value, 17° at Vardö. Rising during day to above 55° in various parts of England, to about 70° over a large area in central Europe, to a few degrees higher in Italy and at Perpignan, to 79° at Bucharest, and to 82° at Tunis. Maxima very low in Ireland, Scotland, and northern England.

Barometer and Wind.

7 a.m.



6 p.m.



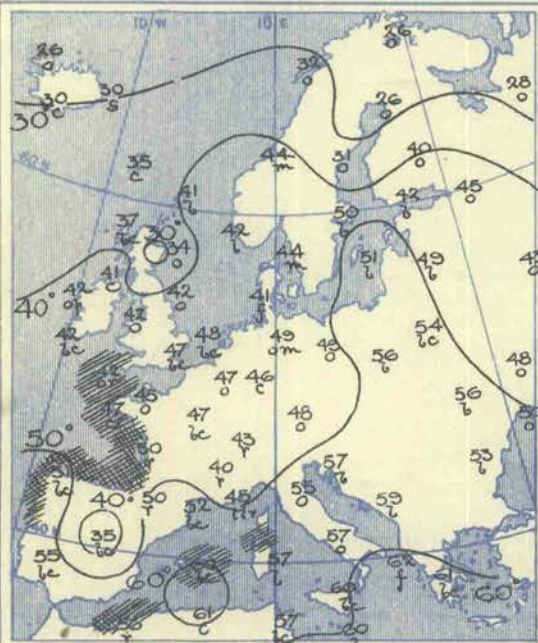
Wind in morning mainly South-Westerly or Westerly over the Mediterranean region and the Spanish Peninsula, fresh to strong locally, but moderate generally. Mainly Southerly over the eastern half of the Continent. Two complete cyclonic movements shown over these Islands and the surrounding regions, a high wind being reported at Blacksod Point and fresh or strong breezes in some other districts. No change of importance later.

Barometer in morning above 30.2 ins. in the north-west of Iceland, and above 30.0 ins. in Russia; below 29.2 ins. in a depression off the north of Scotland, nearly as low over the North Sea, and below 29.1 ins. in a disturbance off the south-west of England. Subsequent changes very slight, and no modification taking place in the general distribution of pressure. Barometer rising in nearly all parts of the United Kingdom.

Saturday, 16th April, 1910.

Temperature and Weather.

7 a.m.

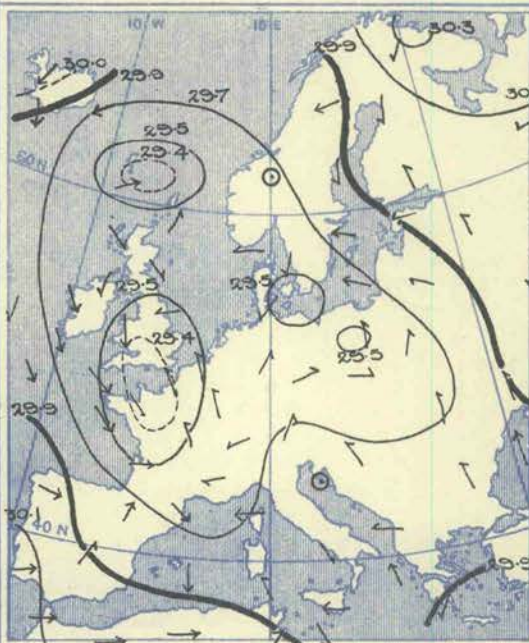


Weather in morning fair to fine and bright at most places in the southern half of our area, but rainy in the south-west and south of France, with a thunderstorm at Nice. Mostly cloudy or overcast elsewhere, with rain in several parts of these Islands, Denmark, and the south of Scandinavia, and snow in Iceland. Very rainy in Scotland during day, more than an inch falling at Leith. Considerable or heavy falls of rain in many parts of England, with thunderstorms at many stations in the Midlands and east. Rain experienced over France, Italy, South Germany, and also at Portugal, and thunderstorms at Bordeaux and Lyons.

Temperature fallen in most regions. Morning readings ranging from about 60° at some stations in the extreme south to below 32° at Nairn and also over a large area in the north-east of Europe. Maxima during day below 45° at some stations in Scotland, Ireland, and Wales, but above 55° in the centre and south-east of England, above 60° over a large portion of France, Germany, and the Low Countries, and above 70° in Austria-Hungary and at some places on the shores of the Mediterranean, as well as at Bucharest.

Barometer and Wind.

7 a.m.



Wind in morning showing several complete or partial cyclonic movements. Northerly to North-Westerly current fresh to strong or high in the west of these Islands and over the Bay of Biscay, and that from North-East strong to a gale in Iceland. A high wind from East prevailing at Bodø and fresh or strong Westerly breezes on some shores of the Mediterranean. Increasing in force from between West and North-West later over the Spanish Peninsula and the western portion of the Mediterranean.

Barometer in morning ranging from 30.3 ins. at Vardø and above 30.0 ins. in the south-west of our area, and also in the extreme north-west to below 29.5 ins. in a depression over Denmark and to below 29.4 ins. in two other minima—one having its centre over the English Channel, and the other to the northward of Thorshavn. English depression moving eastward during day, and pressure increasing decidedly on our west and south-west coasts and over the Bay of Biscay region. Northerly depression becoming much less deep.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 16.

SIXTEENTH WEEK, SUNDAY, APRIL 17TH, TO SATURDAY, APRIL 23RD, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was again cloudy and unsettled over the Kingdom generally. Passing showers of rain were very common, and some northern districts experienced a little snow. Early in the week the rain was heavy at some places in the north of Scotland. Thunderstorms occurred on Monday at Oxford and at some Scottish stations, and on Friday in the south-east of England. Aurora was observed at Gordon Castle on Thursday.

Temperature was above the average in England and Ireland, as well as in Scotland W., but below it in the north and east of Scotland, the deficit amounting to nearly 3° in Scotland N. The highest of the maxima were registered on rather irregular dates, but either on the 18th or 21st over a large portion of the Kingdom. The values ranged from 64° in England E. and S.E. and also in Ireland S., and 63° or 62° in many other districts, to 54° in Scotland N. The lowest of the minima occurred on the 17th in Ireland and at many places in the western parts of Britain, but much later in the week in the east and south-east. In Scotland E. the thermometer fell *respectively* to 24° and in nearly all other districts to 32° or below it. In the English Channel, however, the lowest value was 41°, and in England S.W. 35°. The lowest grass minima were 18° at Cambridge, 22° at Balmoral, Rauceby, Sheffield and Greenwich, and 24° at West Linton, Newton Rigg, Armagh and Tunbridge Wells.

Mean Temperature of the Sea. At almost all stations the water was colder than during the corresponding week of last year, and at Kirkwall it was nearly 5° colder. The means for the week ranged from 49° at Newquay, Plymouth, Seafeld and Margate to 41° at Burnmouth and to 40½° at Kirkwall.

Rainfall was less than the normal in all the eastern and central districts of England and also in the English Channel, but more elsewhere, the excess being large in Scotland and Ireland.

Bright Sunshine was considerably below the average in all districts excepting Scotland N. and E. The percentage of the possible duration ranged from 34 in Scotland E., 29 in Scotland W., and 26 in Scotland N., Ireland N., and the English Channel, to 20 or less in most parts of England, and to 17 in England S.E. At Greenwich only 9 per cent. of the possible amount was recorded.

Barometer and Wind.—The general distribution of barometric pressure was mostly favourable for winds between South-West and West or North-West, the low pressure centres lying sometimes to the west and north of these Islands, and at other times to the north-east, while the barometer was usually highest in an anti-cyclonic system over the Bay of Biscay. The South-Westerly and Westerly winds were often fresh or strong on exposed parts of the western and northern coasts, and at times reached the force of a high wind. By the end of the week the wind from those points became very strong over the Kingdom generally.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 116.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate
	Rainfall ...	Very heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate
	Sunshine ...	Moderate	Moderate	Scanty	Scanty	Scanty	Very scanty	Scanty	Scanty	Very scanty	Scanty	Very scanty	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth. Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 7 weeks from March 6th, 1910.	Warmth ...	3*2	2*2	4*0	2*1	3*3	2*3	2*1	2*0	1*2	2*1	1*1	1*1
	Rainfall ...	2*3	2*2	2*3	3*2	1*3	3*3	3*3	1*3	1*3	2*3	3*3	2*2
	Sunshine ...	3*1	1*1	1*3	2*3	2*3	3*4	1*3	2*2	2*2	1*4	1*3	3*3

PAST SEASONS.

SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4*3	5*7	6*2	4*1	6*2	3*4	6*1	6*3	4*4	6*2	4*4	5*1
	Rainfall ...	3*5	8*2	7*5	7*4	6*4	6*3	5*4	6*5	5*4	5*4	6*4	5*4
	Sunshine ...	2*2	3*4	4*5	5*5	6*4	6*4	5*4	7*4	6*4	5*5	6*3	5*5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1*7	1*8	2*7	2*9	2*7	2*10	1*7	1*8	2*7	1*5	1*4	2*8
	Rainfall ...	3*5	2*6	5*6	5*3	4*4	5*5	4*4	5*4	4*6	1*5	1*9	2*7
	Sunshine ...	5*3	4*3	1*7	3*6	3*6	4*7	2*4	3*6	4*5	3*5	4*5	4*4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2*6	3*5	2*6	4*5	4*5	3*6	3*7	3*6	3*6	4*7	4*6	3*5
	Rainfall ...	5*7	5*4	1*4	3*1	3*4	5*4	4*5	4*6	4*5	4*7	5*8	5*5
	Sunshine ...	5*2	5*3	3*5	2*6	2*5	3*2	5*5	5*2	4*4	5*2	5*2	4*5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1*5	2*4	3*4	4*2	3*2	5*4	3*4	5*3	4*4	3*6	2*6	4*4
	Rainfall ...	4*2	5*2	5*2	6*1	7*2	5*2	6*1	7*1	7*2	6*3	6*3	5*3
	Sunshine ...	10*2	6*0	4*2	7*2	8*2	8*2	5*1	8*0	6*1	4*4	4*1	3*3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

SIXTEENTH WEEK—April 17th to April 23rd, 1910.

SIXTEENTH WEEK—April 17th to April 23rd, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (2½ Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
		°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg.	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH		54	28	47.3	34.3	40.5	- 2.8	15	- 13	29	+ 12	6	+ 2	1.51	+0.88	26	- 7	26	- 7
Eastern																			
1. SCOTLAND, EAST		56	34	49.6	34.8	41.8	- 1.9	21	- 13	28	+ 10	4	+ 1	0.56	+0.13	34	+ 1	34	+ 1
2. ENGLAND, N.E.		63	30	53.6	38.7	45.8	+ 1.3	40	+ 8	9	- 3	4	0	0.24	-0.12	29	- 15	20	-15
3. ENGLAND, EAST		64	28	55.3	40.7	47.7	+ 1.9	45	+ 3	4	- 8	3	0	0.34	-0.02	19	- 18	19	-19
4. MIDLAND COUNTIES		63	29	55.8	41.6	48.3	+ 2.5	46	+ 3	1	- 12	4	+ 2	0.32	-0.08	19	- 15	20	-15
5. ENGLAND, S.E.		64	30	55.6	43.9	49.5	+ 2.5	53	+ 8	0	- 7	4	+ 1	0.36	-0.04	17	- 20	17	-21
Western																			
6. SCOTLAND, WEST		62	30	51.6	38.4	44.7	- 0.4	34	- 2	10	- 1	6	+ 3	0.79	+0.18	28	- 8	29	- 8
7. ENGLAND, N.W.		62	32	52.2	41.0	46.3	+ 0.5	34	- 3	3	- 5	5	+ 2	0.57	+0.12	19	- 16	20	-17
8. ENGLAND, S.W.		60	35	53.3	44.2	48.5	+ 1.6	46	+ 3	0	- 6	5	+ 2	0.62	+0.08	17	- 21	18	-22
9. IRELAND, NORTH		62	27	53.1	40.9	46.7	+ 0.8	38	0	3	- 5	7	+ 3	0.71	+0.18	26	- 8	26	- 8
10. IRELAND, SOUTH		64	29	56.4	44.4	50.1	+ 2.3	57	+ 13	0	- 5	6	+ 2	1.00	+0.40	20	- 17	21	-17
11. ENGLISH CHANNEL		57	41	53.6	46.1	49.7	+ 0.8	54	+ 5	0	- 1	4	0	0.30	-0.17	25	- 20	26	-21

THE SEASON (Spring).—Aggregates, &c., for the Period of 7 Weeks, March 6th to April 23rd, 1910.

0. SCOTLAND, NORTH	60	20	*	*	*	*	124||	+ 6	160||	- 25	34	+ 1	7.91	+1.77	174	- 10	28	- 2
Eastern																		
1. SCOTLAND, EAST	62	23	*	*	*	*	154	- 3	174	- 25	24	- 3	4.30	+0.93	201	0	33	0
2. ENGLAND, N.E.	63	24	*	*	*	*	203	+ 41	118	- 35	20	- 5	2.12	-0.56	198	- 22	32	- 4
3. ENGLAND, EAST	64	21	*	*	*	*	220	+ 8	118	- 42	21	- 2	2.35 §	-0.10	215	- 8	35	- 1
4. MIDLAND COUNTIES	63	23	*	*	*	*	224	+ 4	149	- 16	21	0	2.23	-0.53	134	- 8	32	- 1
5. ENGLAND, S.E.	64	22	*	*	*	*	224	- 1	94	- 19	22	+ 1	2.97	+0.31	219	- 3	36	- 1
Western																		
6. SCOTLAND, WEST	62	26	*	*	*	*	175	+ 14	106	- 37	28	+ 1	4.70	-0.37	184	- 25	30	- 4
7. ENGLAND, N.W.	62	23	*	*	*	*	176	+ 3	95	- 28	26	+ 1	3.02	-0.58	199	+ 2	33	0
8. ENGLAND, S.W.	61	20	*	*	*	*	210	- 9	85	- 9	23	- 2	2.91	-1.08	229	+ 3	38	0
9. IRELAND, NORTH	62	26	*	*	*	*	195	+ 6	92	- 24	29	- 1	3.64	-0.44	172	- 25	28	- 4
10. IRELAND, SOUTH	64	25	*	*	*	*	242	+ 6	74	- 13	29	+ 2	4.01	-0.44	188	- 34	31	- 6
11. ENGLISH CHANNEL	60	31	*	*	*	*	273	+ 15	21	- 9	21	- 6	2.93	-0.37	281	+ 12	46	+ 2

THE YEAR.—Aggregates, &c., for the Period of 16 Weeks, January 2nd to April 23rd, 1910.

0. SCOTLAND, NORTH	60	2	*	*	*	*	172||	- 6	547||	+ 32	86	+ 7	19.61	+2.51	295	+23	26	+ 2
Eastern																		
1. SCOTLAND, EAST	62	-10	*	*	*	*	212	-13	583	+ 7	67	+ 5	10.34	+1.97	354	+29	31	+ 3
2. ENGLAND, N.E.	63	6	*	*	*	*	287	+45	419	- 35	61	+ 3	6.54	+0.47	355	+ 9	31	+ 1
3. ENGLAND, EAST	64	17	*	*	*	*	340	+33	367	-132	61	+ 4	6.70 §	+0.88	401	+38	34	+ 3
4. MIDLAND COUNTIES	63	10	*	*	*	*	331	+ 7	438	- 63	63	+ 9	7.50	+0.56	363	+41	31	+ 4
5. ENGLAND, S.E.	64	13	*	*	*	*	363	+20	272	-100	65	+12	9.15	+2.04	404	+48	34	+ 4
Western																		
6. SCOTLAND, WEST	62	0	*	*	*	*	262	+12	397	- 8	75	+ 8	16.02	+2.10	314	- 2	27	0
7. ENGLAND, N.W.	62	7	*	*	*	*	289	+22	314	- 60	76	+15	11.91	+2.64	356	+46	31	+ 4
8. ENGLAND, S.W.	61	8	*	*	*	*	370	0	228	- 65	72	+11	12.79	+1.80	395	+33	34	+ 3
9. IRELAND, NORTH	62	7	*	*	*	*	326	+12	325	- 8	82	+10	13.86	+2.75	306	- 9	26	- 1
10. IRELAND, SOUTH	64	18	*	*	*	*	420	+ 4	246	- 6	83	+18	14.71	+2.71	337	-20	29	- 2
11. ENGLISH CHANNEL	60	28	*	*	*	*	506	+29	54	- 55	71	+ 3	11.47	+2.26	469	+32	39	+ 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 § The corresponding value for Report Nos. 11 and 15 slightly altered owing to receipt of further information.
 ¶ The corresponding value for Report Nos. 13 to 15 slightly altered owing to receipt of further information.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked a, and at the hour of evening observation (9 p.m.) at Stations marked p. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked § is supplied by the Royal Meteorological Society, and that for Stations marked § is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.						Rainfall.				Bright Sunshine.						NAMES OF STATIONS.
			Date.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
					Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°	Below 42°	
0. SCOTLAND, N.	a, Islands.	p Balta Sound	48	17th	22nd	43.7	35.3	39.3	—	5	23	7	1.68	—	23.7	—	23	Balta Sound.	
		a Sumburgh Head	47	17th	—	43.9	—	—	—	—	—	7	1.15	+ 0.66	23.0	-12.3	23	Deerness.	
		a Stornoway	51	20th	33	22nd	46.7	35.6	40.9	-2.5	13	24	7	1.29	+ 0.63	30.3	-7.4	30	Stornoway.
		a Castlebay, Barra Isd.	50	18th	36	17th	47.7	39.3	43.3	-2.6	20	8	4	0.73	—	40.4	—	40	Castlebay.
		a Wick	49	19th	30	22nd, 23rd	45.1	33.9	39.2	-4.1	9	28	7	1.15	+ 0.71	—	—	—	Strathpeffer.
	b, Main-land.	p Strathpeffer	53	20th	31	18th	48.7	35.0	41.5	-2.2	19	27	6	0.74	+ 0.33	24.8	-9.6	25	—
		p Glencarron	50	18th	30	18th	46.0	33.0	39.2	-3.3	11	32	7	2.61	+ 1.40	—	—	—	Fort Augustus.
		p Fort Augustus	54	19th	28	18th	48.6	33.7	40.8	-2.9	18	31	5	1.47	+ 0.95	27.1	-0.1	27	—
	p Fort William	53	19th	30	18th	48.9	34.4	41.3	-3.7	19	29	5	2.15	+ 1.22	—	—	—	—	
1. SCOTLAND E. . .		p Gordon Castle	54	18th, 20th	30	18th	49.6	33.8	41.3	-2.7	21	31	4	0.48	+ 0.10	30.2	—	30	Gordon Castle.
		a Nairn	52	18th, 20th	27	18th	48.4	32.7	40.2	-3.7	18	35	3	0.96	+ 0.64	30.5	—	31	Nairn.
		a Aberdeen	55	18th, 23rd	34	17, 18, 23rd	49.7	36.7	42.9	-0.9	29	15	5	0.65	+ 0.20	37.5	+ 1.0	38	Aberdeen.
		a Balmoral	51	23rd	26	18th	47.7	33.1	40.1	-0.5	16	33	5	0.30	- 0.23	38.2	—	38	Crathes S.
		p Crieff	56	19th	30	18th	51.4	35.0	42.8	-1.9	35	20	5	0.51	+ 0.01	37.7	—	38	Balnrdery
		a Leith	56	18, 19, 21st	34	18th	52.1	37.6	44.5	-0.8	36	12	4	0.47	+ 0.19	31.6	+ 2.6	32	Edinburgh.
		a West Linton	53	19th	24	20th	47.0	33.0	39.7	-2.1	14	33	3	0.55	+ 0.07	30.6	-2.8	31	West Linton.
		p Marchmont	55	21st	31	18th	50.6	36.4	43.2	+ 0.4	32	16	4	0.55	+ 0.07	30.6	-2.8	31	Marchmont.
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	58	18th, 21st	33	18th, 20th	52.4	37.5	44.6	+ 1.0	37	13	3	0.33	- 0.10	25.4	—	26	Cockle Park.
		a Shields	59	21st	34	18th, 20th	52.9	36.1	44.1	0.0	39	17	6	0.29	- 0.05	16.6	-8.9	17	Newcastle.
		p Durham	58	21st	32	18th	52.2	37.4	44.4	+ 0.6	36	13	3	0.16	- 0.18	18.1	-13.4	19	Durham.
		p Rounton	61	18th	30	20th	53.6	36.7	44.7	+ 1.0	41	15	4	0.18	- 0.29	—	—	—	Scarborough.
		p Scarborough	63	21st	35	23rd	55.4	40.0	47.3	+ 2.8	46	6	2	0.35	- 0.05	20.6	—	21	York.
	b, South.	p York	62	21st	34	18th	54.7	39.0	46.5	+ 0.5	44	8	4	0.23	- 0.17	17.7	-14.5	18	—
		a Spurn Head	57	18th	38	18th, 23rd	52.9	41.3	46.8	+ 1.9	37	2	4	0.25	- 0.01	—	—	—	Skegness.
		a Lincoln	60	21st	33	23rd	54.3	39.7	46.7	+ 0.5	43	6	4	0.17	- 0.17	21.1	—	22	Raueby.
	a Fulbeck	60	18th	31	23rd	53.9	40.7	47.0	+ 1.0	40	4	4	0.16	- 0.19	15.8	—	16	Lowestoft.	
3. ENGLAND, E.	a, North.	p Cromer	59	21st	33	18th, 23rd	53.0	39.0	45.7	+ 1.4	39	8	6	0.38	—	23.6	—	24	Cromer.
		p Hillington	60	21st	28	23rd	53.6	38.1	45.6	-0.2	41	11	3	0.96	+ 0.56	16.9	-19.6	17	Hillington.
		a Yarmouth	62	21st	32	23rd	54.3	40.7	47.2	+ 2.6	42	4	1	0.32	- 0.03	29.2	—	30	Yarmouth.
		a Norwich	61	21st	31	23rd	55.9	41.5	48.4	+ 3.2	47	1	3	0.38	—	—	—	—	Geldeston.
		p Geldeston	64	21st	30	23rd	55.7	39.6	47.3	+ 1.6	47	7	3	0.18	- 0.18	21.9	-16.1	23	Cambridge.
		p Cambridge	64	21st	28	23rd	57.0	39.2	47.7	+ 1.0	52	8	4	0.19	- 0.16	16.5	-21.4	17	Felkstone.
	b, South.	a Felkstone	64	21st	33	23rd	55.4	42.4	48.6	+ 2.9	46	0	4	0.23	—	24.1	—	25	Clacton.
		a Clacton-on-Sea	63	21st	32	23rd	55.4	42.4	48.6	+ 3.0	46	0	4	0.42	—	19.1	—	20	Rothamsted.
4. MIDLAND COUNTIES.		a Rothamsted	64	21st	29	23rd	56.0	41.2	48.2	+ 2.5	47	2	4	0.10	- 0.27	10.0	-25.5	10	Southend.
		a Shoeburyness	64	21st	32	23rd	56.1	44.0	49.5	+ 3.2	55	0	3	0.10	- 0.15	15.4	—	16	Tottenham.
		p Tottenham	64	21st	33	23rd	57.0	44.6	50.5	+ 3.7	60	0	1	0.11	—	10.5	—	11	—
		a Harrogate	59	18th	34	18th, 23rd	53.3	39.2	45.9	+ 1.7	39	8	5	0.25	- 0.15	25.4	—	26	Harrogate.
	a, East.	a Bawtry	60	18, 19, 20th	30	23rd	55.3	37.0	45.7	-0.4	47	14	3	0.17	- 0.16	15.8	-15.4	16	Worksop.
		p Buxton	55	18th, 20th	30	18th	50.0	37.0	43.2	+ 0.5	29	14	5	1.31	+ 0.63	21.1	—	22	Buxton.
		a Nottingham	60	20th	32	23rd	55.6	39.6	47.2	+ 1.2	46	7	4	0.21	- 0.15	20.3	—	21	Nottingham.
		p Birmingham, Edgbn	62	21st	37	23rd	55.8	42.2	47.2	+ 2.8	47	0	5	0.42	- 0.03	15.6	—	16	Birmingham.
5. ENGLAND, S.E. . .	b, West.	a Raunds	63	21st	29	23rd	56.0	40.1	48.1	+ 2.4	51	5	2	0.13	—	—	—	—	Oxford.
		a Oxford	63	21st	35	23rd	56.7	43.4	49.7	+ 2.8	54	0	4	0.25	- 0.09	15.4	-20.3	16	Sheffield.
		a Cheadle	55	20th, 21st	35	17th	51.1	40.1	45.3	+ 0.4	31	5	5	0.26	- 0.20	24.7	—	25	—
		p Shrewsbury	63	18th	37	18th	53.1	43.2	50.3	+ 3.3	58	0	3	0.13	—	—	—	—	Cirencester.
		a Hereford	63	18th	36	17th	59.1	44.6	51.5	+ 4.6	67	0	6	0.60	+ 0.20	—	—	—	Bath.
		a Cirencester	62	21st	35	18th	57.8	41.2	49.1	+ 3.7	53	2	5	0.60	+ 0.19	18.0	-19.3	19	Ramsgate.
		a Bath	57	18, 21, 22nd	38	17th	55.3	45.1	50.0	+ 3.0	56	0	6	0.49	+ 0.04	16.2	—	17	Kew.
		p Kew	64	21st	34	23rd	57.4	44.4	50.6	+ 3.4	60	0	3	0.24	- 0.09	12.5	-22.9	13	Marlborough.
6. SCOTLAND, W. . .		a Marlborough	60	21st	35	17th	55.4	42.9	48.9	+ 3.2	48	0	6	0.43	- 0.02	13.4	-20.1	14	Margate.
		a Margate	61	19th	38	18th, 23rd	55.5	44.5	49.7	+ 2.9	54	0	2	0.34	+ 0.04	24.2	-12.6	25	Wisleigh.
		a Wisley, Surrey	64	21st	34	23rd	57.4	44.2	50.5	+ 2.5	60	0	2	0.21	—	13.2	—	14	Worthing.
		a Swaraton	60	21st	37	17, 18, 23rd	55.7	43.5	49.3	+ 3.3	51	0	3	0.37	- 0.17	17.0	—	18	Tunbridge Wells.
		a Tunbridge Wells	62	21st	30	23rd	55.3	42.1	48.4	+ 2.2	45	0	4	0.37	- 0.01	13.4	-24.8	14	Littlestone.
		a Dungeness	57	21st	32	23rd	52.9	43.7	48.1	+ 1.8	43	0	5	0.36	+ 0.06	16.6	—	17	Hastings.
		p Hastings	62	21st	35	23rd	53.2	42.9	47.8	+ 1.0	41	0	4	0.58	+ 0.21	12.6	-28.5	13	Southampton.
		p Southampton	63	20th, 21st	38	17th	58.6	45.9	52.0	+ 3.3	70	0	5	0.33	- 0.09	19.0	-20.6	20	Ventnor.
7. ENGLAND, N.W. . .		a Ventnor	59	22nd	39	17th	55.0	45.0	49.8	+ 1.6	55	0	6	0.49	+ 0.10	22.9	-19.9	24	Eastbourne.
		a Westminister	64	21st	36	23rd	58.1	44.6	51.0	+ 3.7	63	0	5	0.29	- 0.03	10.1	-17.1	10	Westminster.
		a Greenwich	66	21st	31	23rd	58.0	43.1											

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound ..	—	—	41.9	—	Harrogate ..	3	26	44.8	44.1	6. Dumfries ..	1	29	44.7	—
1. Aberdeen ..	—	—	—	42.5	Huddersfield ..	2	27	46.3	42.7	Douglas ..	0	33	—	44.1
Crathes ..	2	25	42.3	42.0	Buxton ..	2	28	45.9	42.9	Aspatia ..	3	26	46.7	44.6
Balmoral ..	4	22	—	—	Sheffield ..	3	29	46.3	43.3	Newton Rigg ..	3	24	45.5	43.3
West Linton ..	3	24	—	—	Nottingham ..	2	27	47.8	44.4	Burnley ..	2	27	45.1	42.6
Marchmont ..	3	25	43.1	—	Oxford ..	1	28	—	—	Southport ..	1	29	48.6	46.2
Cockle Park ..	3	27	43.3	43.0	Hereford ..	1	26	—	—	Manchester City ..	0	33	44.7	44.7
Durham ..	3	26	—	—	Cirencester ..	0	31	47.4	45.4	Bettws-y-Coed ..	0	35	46.7	44.8
York ..	—	—	46.7	44.5	Bath ..	—	—	49.4	46.8	Llangamarch Wells ..	1	30	47.4	46.0
Hull ..	4	26	46.9	44.1	Margate ..	0	25	48.8	47.0	Cardiff ..	0	31	48.3	46.2
Lincoln ..	—	—	46.5	44.3	Greenwich ..	2	22	—	—	Clifton ..	0	34	—	—
Rauceby ..	3	22	48.6	45.3	Westminster ..	1	28	—	—	Plymouth ..	0	33	49.3	—
Norwich ..	2	25	—	—	Kew ..	2	25	49.1	46.2	9. Armagh ..	1	24	47.4	45.4
Yarmouth ..	—	—	49.4	47.6	Canterbury ..	2	29	48.4	46.8	Markree ..	1	29	47.7	45.9
Lowestoft ..	2	28	49.2	46.6	Tunbridge Wells ..	2	24	49.0	—	10. Dublin, Trin. Coll. ..	?	?	48.1	46.2
Cambridge ..	3	18	49.1	46.8	Wisley ..	1	28	49.0	46.7	11. Guernsey, Brooklyn	0	26	49.8	48.3
Clacton-on-Sea ..	2	27	49.0	47.8	Worthing ..	1	30	49.8	46.9					
Southend ..	2	28	50.0	—	Portsmouth ..	0	35	50.4	48.2					
Tottenham ..	1	26	—	46.2	6. Glasgow ..	1	28	—	—					
					Rothsay ..	—	—	—	44.0					
					Colmonell ..	0	32	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick ..	44	44	44.0	SCOTLAND, W.	Lamlash ..	45	45	45.0
	Kirkwall ..	41	39	40.5		Ballantrae ..	46	43	44.5
	Wick ..	44	42	42.9	ENGLAND, N.W.	Port Erin ..	48	45	46.1
SCOTLAND, E.	Cromarty ..	43	40	42.2		Newquay ..	49	49	49.0
	Pennan Bay ..	44	42	43.0	ENGLAND, S.W.	Plymouth ..	50	48	49.2
	Aberdeen, Cove Bay ..	43	42	42.1		Salcombe ..	49	46	47.7
ENGLAND, N.E.	Burnmouth, Berwick ..	42	41	41.3		Sheephaven ..	47	47	47.0
	Scarborough ..	45	42	43.7	IRELAND, N.W.	Teelin ..	51	44	47.4
ENGLAND, E.	Shipwash Lightship ..	48	45	46.2		Cleggan ..	51	43	46.3
	Margate ..	50	47	48.5	IRELAND, S.W.	Seafeld ..	51	46	49.0
ENGLAND, S.E.	Eastbourne ..	49	47	48.0	IRELAND, E.				

† Only one observation each day.

Registering Balloon Ascents.

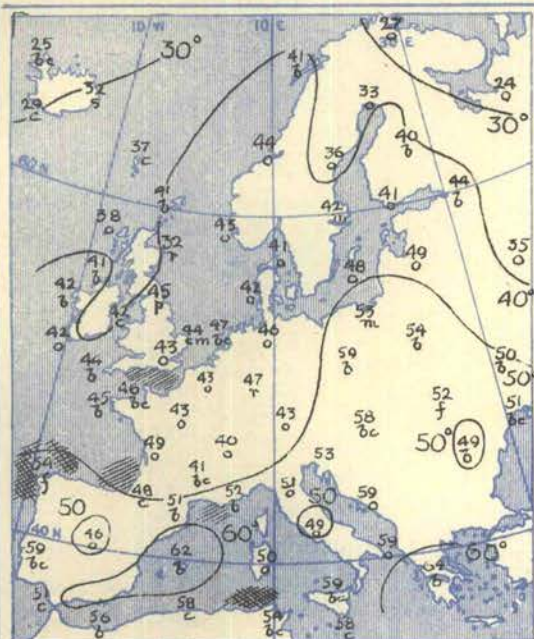
Height kms.	1 Manchester, Feb. 2nd 1910. 6.0 p.m.		2 Manchester, Feb. 3rd, 1910. 6.13 p.m.		3 Pyrton Hill, March 2nd, 1910. 5.35 p.m.			4 Manchester, March 3rd, 1910. 6.50 p.m.			5 Pyrton Hill, March 3rd, 1910. 7.3 a.m.			6 Ditcham Park, Petersfield, March 3rd, 1910, 4.30 p.m.			7 Pryton Hill, March 15th, 1910. 5.33 p.m.			Height kms.
	Pressure Mgd.	Temp. A°	Pressure Mgd.	Temp. A°	Pressure Mgd.	Temp. A°	Wind. Dir. Vel. m.p.s.	Pressure Mgd.	Temp. A°	Temp. A°	Pressure Mgd.	Temp. A°	Wind. Dir. Vel. m.p.s.	Pressure Mgd.	Temp. A°	Wind. Dir. Vel. m.p.s.	Pressure Mgd.	Temp. A°	Wind. Dir. Vel. m.p.s.	
Ground	990	277.5	991	276.4	1001	280.	180 4	1016	281.	281.	1000	274.5	90 5	1000	280.	105 9.5	1004	277	360 2	Ground
0.5	983	274.6	—	—	960	277.	180 9	961	278.3	278.3	960	277.5	130 12	960	276.5	105 9.5	963	275	360 2	0.5
1.0	875	270.5	—	—	902	274.	190 12	907	276.5	276.5	902	273.	150 14	902	274.	125 10.	904	272	360 4	1.0
1.5	820	268.5	—	—	848	272.	200 15	849	275.	275.	848	275.5	160 14	847	273.0	135 11.	851	268.5	15 6	1.5
2.0	767	264.3	—	—	796	271.	205 17	787	275.5	275.5	796	272.	170 14	798	271.5	140 12.	796	266	5 7	2.0
2.5	727	262.2	—	—	748	269.5	—	744	272.	269.	748	270.	170 12	747	269.5	150 8.8	747	263	350 5	2.5
3.0	680	259.0	—	—	702	267.	—	690	270.	266.	702	268.	171 11	702	267.5	145 8.	700	262.5	310 8	3.0
3.5	637	255.5	—	—	657	262.	—	656	265.5	262.5	657	264.	172 10	658	264.	90 4.5	657	261.5	290 9	3.5
4.0	595	251.3	—	—	616	259.5	—	616	262.5	259.5	617	260.	172 9	617	260.	100 7.	616	258	285 10	4.0
4.5	545	248.0	—	—	576	257.	—	580	260.5	258.	577	256.5	—	577	256.	50 5.5	576	254	280 11	4.5
5.0	510	244.0	—	—	558	252.5	—	540	257.	254.5	541	252.	—	541	252.5	70 6.	538	249	270 12	5.0
5.5	474	241.0	—	—	501	249.	—	505	253.	251.	504	247.	—	507	248.5	65 5.3	502	245	265 12	5.5
6.0	440	235.5	—	—	470	244.5	—	472	249.5	248.	470	244.	—	471	245.	55 5.5	468	241.5	260 12	6.0
6.5	409	231.0	—	—	436	241.	—	441	246.5	245.5	436	241.	—	440	241.5	45 5.	435	238	—	6.5
7.0	389	227.0	—	—	407	237.	—	410	242.5	242.5	408	238.5	—	409	238.	40 3.7	405	233	—	7.0
7.5	359	225.5	262	226.5	378	233.	—	383	239.	239.	380	235.	—	394	234.	25 3.5	377	229.5	—	7.5
8.0	323	222.2	333	228.5	352	229.	—	356	236.	236.	354	231.	—	355	231.	25 5.5	351	225.5	—	8.0
8.5	300	223.5	314	226.7	328	226.5	—	331	233.5	233.5	328	227.	—	329	228.	15 5.2	—	—	—	8.5
9.0	281	225.0	283	226.7	302	221.	—	308	230.5	230.5	304	222.	—	305	224.	10 5.	—	—	—	9.0
9.5	261	225.5	272	226.5	270	217.	—	286	228.5	228.5	283	218.5	—	283	221.	10 5.	—	—	—	9.5
10.0	243	225.5	244	227.5	257	212.5	—	268	224.5	224.5	261	215.	—	264	218.	45 7.	—	—	—	10.0
11.0	207	225.5	213	228.8	220	213.	—	220	218.	222.5	222	211.	—	226	213.	20 4.	—	—	—	11.0
12.0	179	224.3	187	227.	188	216.	—	196	217.5	214.5	—	—	—	194	213.5	185 1.	—	—	—	12.0
13.0	—	—	160	227.	160	217.5	—	167	221.	215.5	—	—	—	164	219.	250 3.	—	—	—	13.0
14.0	—	—	134	225.5	—	—	—	142	224.	218.5	—	—	—	141	218.	85 1.	—	—	—	14.0
15.0	—	—	120	224.	—	—	—	122	225.	219.	—	—	—	120	218.	275 5.	—	—	—	15.0
16.0	—	—	100	222.5	—	—	—	105	224.5	219.	—	—	—	—	—	—	—	—	—	16.0
17.0	—	—	086	221.5	—	—	—	089	221.	220.	—	—	—	—	—	—	—	—	—	17.0
18.0	—	—	074	220.	—	—	—	078	222.5	221.	—	—	—	—	—	—	—	—	—	18.0
19.0	—	—	067	218.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19.0

1.—Balloon fell at Scotton near Knarbro, distant 77 km., direction N 87° E. Mean Temperature Gradient (Ground to 7 km.) 0.70° per 100 metres. Greatest Height 12.2 km.; 171 mgd. 224.
 2.—Balloon fell at Sutton Bridge, near Wisbeach distant 174 km., direction 125°. Mean Temperature Gradient (Ground to 6.71 km.) 0.68° per 100 metres. Record defective below 7.0 km. 3.—Balloon fell near Welwyn, Herts, distant 55 km. direction 76°. Wind Observations with 1 theodolite. Ascensional velocity 1.9 m.p.s. assumed. Mean Temperature Gradient (Ground to 10 km.) 0.68° per 100 metres. Stratosphere at 10.3 km. 210.5. Very clear and distinct trace. 4.—Balloon fell at Higher Lees, Cow Ark, Clitheroe, distant 48.3 km., direction 330°. Mean Temperature Gradient (Ground to 7 km.) 0.59° per 100 metres. Greatest Height 18.7 km.; 0.71 mgd.; 222. 5.—Balloon fell at Buckingham, distant 40 km. direction 360°. Wind observations with 1 theodolite. Ascensional velocity 1.9 m.p.s. assumed Mean Temperature Gradient (Ground to 10 km.) 0.61° per 100 metres. Stratosphere at 10.5 km. 211°. Highest Point 11.8 km. 216°. Clear sky. Very distinct trace. The lines are close together throughout but cross here and there. Balloon fell after 1h. 40m. Remarkable agreement with results obtained on preceding evening. 6.—Balloon fell near Bishops Waltham, distant 20 km., direction 265°. Wind observations with 2 theodolites to 15 km. Mean Temperature Gradient (Ground to 10 km.) 0.67° per 100 metres. Lowest temperature 212° at 11.4 km. Greatest Height 15.3 km. temp. 218.5. 7.—Balloon fell at Enfield Wash, distant 26 km. direction 90°. Ascensional velocity 3.5 m.p.s. assumed. Mean Temperature Gradient (Ground to 8.3 km.) 0.65° per 100 metres. Greatest Height 8.3 km.; 333 mgd.; 223°

Sunday, 17th April, 1910.

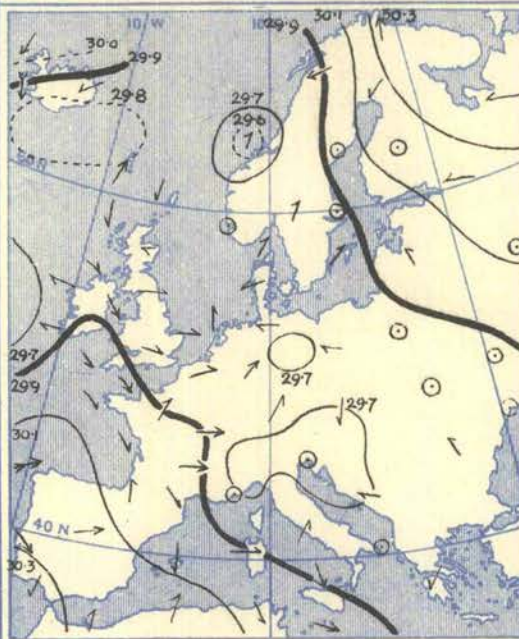
Temperature and Weather.

7 a.m.

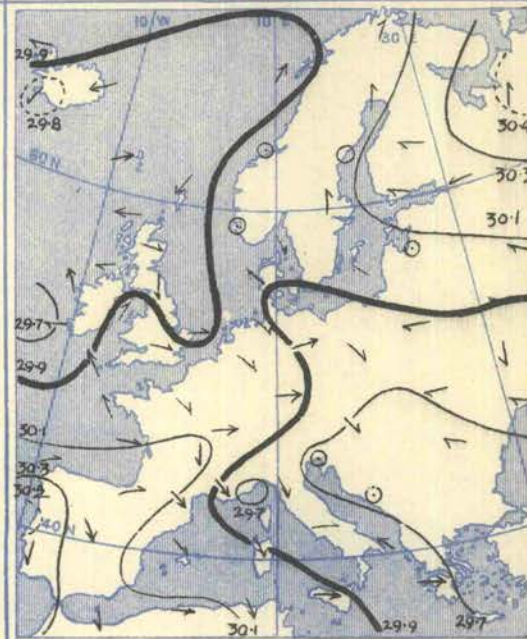


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the north-east of Great Britain and at Bilbao, and cloudy or overcast in some other localities, but fair to bright generally. Rain later over most of this country, the north of France, Italy, and the Adriatic, and at Patras, and also over a large area in Scandinavia; more than 0.5 in. in the north-east of Scotland.

Temperature fallen over the major portion of our area. Morning readings ranging from 64° at Patras, and 62° at Palma, to below 50° over these Islands, France, Denmark, Scandinavia, and the northern half of Russia. Thermometer below 30° in the extreme north-east and north of our area. Maxima during day below 50° in the north and west of Britain, but about 55° in the south-eastern counties. Above 60° throughout Italy, the south of France, and the Spanish Peninsula, and slightly above 70° at some stations in Germany and Austria-Hungary. Thermometer rising to 81° at Bucharest. Frost at night in the north-east of Scotland.

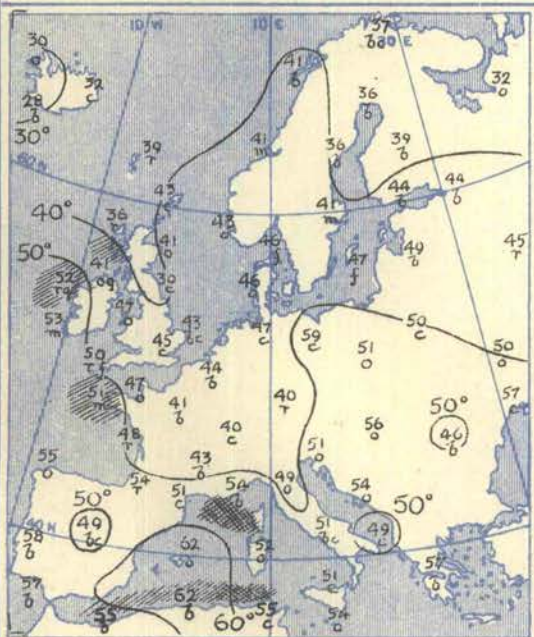
Wind in morning showing several complete or partial cyclonic circulations. Not much force generally, but fresh or strong from the North-Westward or Westward in some parts of England, France, and the Mediterranean region, and a gale from West-South-West prevailing at Corunna. Northerly current blowing a gale in the west of Iceland. Increasing to a high wind by evening on some shores of the Mediterranean, but gale subsiding at Corunna as well as in Iceland. Backing to South or South-East in the west of these Islands, and blowing a fresh to strong breeze in places.

Barometer in morning above 30.3 ins. both in the south-west and north-east of our area. Several distinct minima existing over the intervening region, the chief being shown over the North Sea and the west of Norway. The various depressions undergoing considerable modification during day, and a fresh fall of the barometer setting in in the west and north-west of the United Kingdom.

Monday, 18th April, 1910.

Temperature and Weather.

7 a.m.

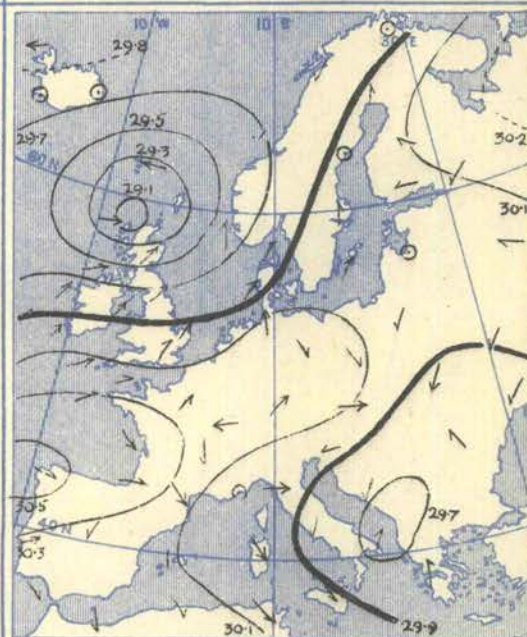


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to very fine over nearly the whole of the Mediterranean region, but rainy at Patras and Pesaro. Generally cloudy to overcast elsewhere, with rain at many stations in the west of these Islands, and at some widely scattered places on the Continent. Some rain later over almost all of the United Kingdom, Scandinavia, and at various places in southern Europe. Measurements slight or moderate generally, but 1.4 in. at Patras.

Temperature risen over Ireland and England, changed irregularly over our area as a whole. Morning readings ranging from 32° at Archangel, and 35° at Nairn, to above 50° in the west of Ireland and at some German stations, to above 55° at several places in the far south, and to 82° at Palma and Algiers. Rising subsequently to about 60° in Ireland and at some stations in England, and also over a large area in France and the central countries, and exceeding 70° at Lemberg, Hermanstadt, and in some Spanish localities.

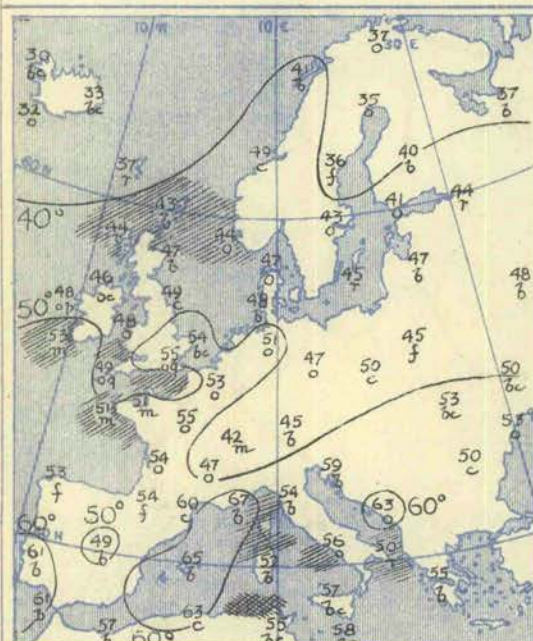
Wind in morning Southerly to South-Easterly over these Islands, and fresh in several places. Mainly from between North and North-West over the central and southern countries; light to moderate generally, but fresh in places, and high at Cape de Garde. Light anticyclonic breezes prevailing both in the south-west and north-east of Europe. Veering somewhat over these Islands later, and blowing very strongly or with the force of a high wind on the western and northern coasts. A gale from the Southward springing up at Skudesnaes.

Barometer in morning ranging from above 30.4 ins. over the north-west of Spain and also at Archangel, to below 29.7 ins. in the south-east of Europe, and to below 29.5 ins. in the Hebrides and the adjacent part of the ocean. A depression, with the barometer below 29.1 ins. reaching a position off the north of Scotland by evening, and gradients becoming steep in its neighbourhood. Not much change taking place in the pressure distribution over the Continent.

Tuesday, 19th April, 1910.

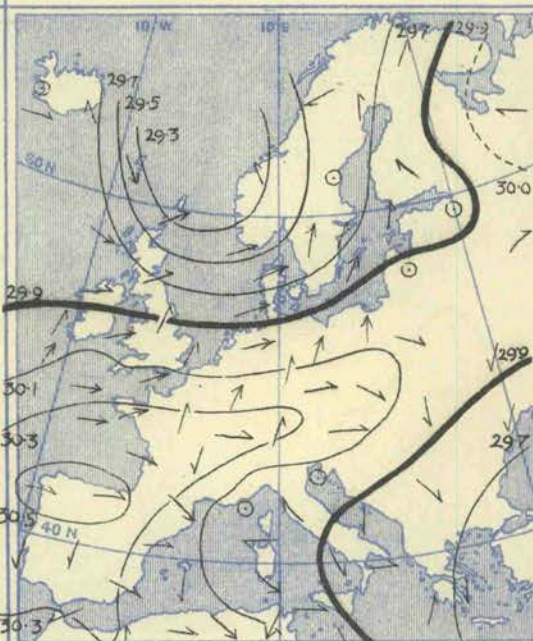
Temperature and Weather.

7 a.m.

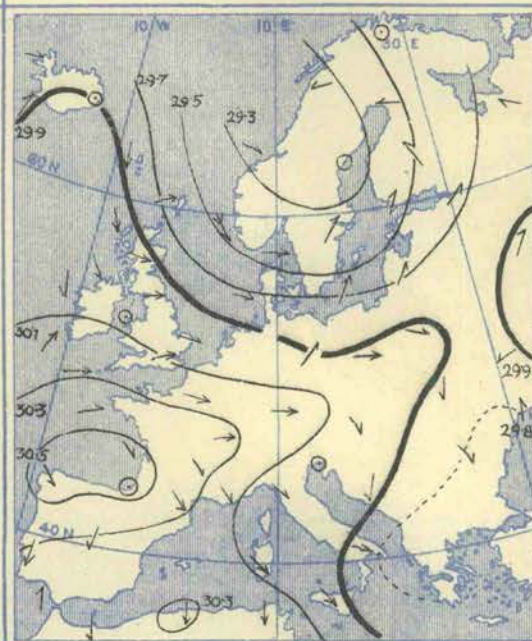


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine and bright over a large portion of the Mediterranean region and Russia, but very cloudy or quite overcast elsewhere, with rain or passing showers in some parts of the United Kingdom and also at the Helder, Copenhagen, St. Petersburg, and Toulouse. Rain later in nearly all parts of England and Ireland and in many places over the northern half of the Continent. Quantity not large generally, but 0.5 in. at Birr Castle, and more than that amount in Germany.

Temperature risen in almost all regions. Morning readings ranging from 65° at Palma, and 62° at Nice, to about 50° in Ireland, England, and the Netherlands, and to about 40° or very little below it in the extreme north and north-east of the Continent. Maxima during day about 60° in the east and south of England, the north and west of France, and at several stations in central Europe, above 70° at many places on the shores of the Mediterranean and in Spain and Portugal. Thermometer rising to 65° at St. Petersburg.

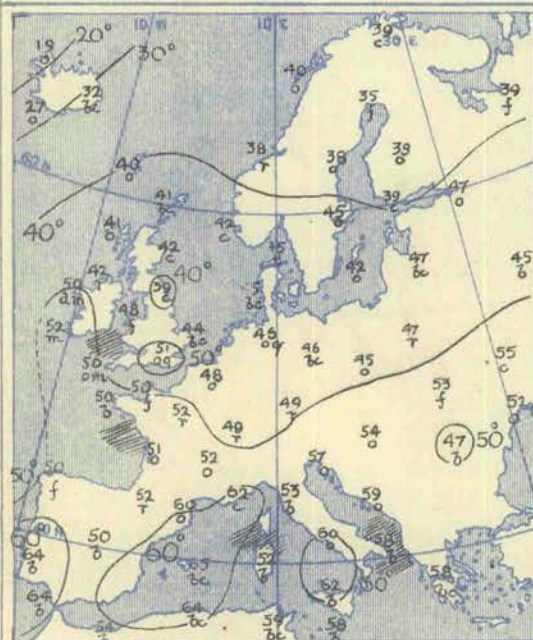
Wind in morning mainly from between West and South-West over the United Kingdom and the North Sea, and Southerly to Easterly in Scandinavia; fresh to a gale in the north of Scotland, and moderate to strong or high in most other parts of these Islands, as well as in Denmark and the south of Scandinavia. Light to moderate anticyclonic breezes prevailing over the Bay of Biscay and the adjacent regions of the Continent, and light to moderate or fresh Northerly and North-Westerly breezes over the Mediterranean. Gale continuing at Wick all day; a very strong gale from the North-Westward setting in on the south-west coast of Norway, and a high wind from West on the Danish coast.

Barometer in morning above 30.5 ins. in an anticyclonic system centred over the north of Spain and the Bay of Biscay. Below 29.3 ins. in a large and rather deep depression having its minimum off the west coast of Norway, and below 29.7 ins. in a shallow disturbance over the south-east of our area. No important change occurring later in the general distribution of pressure; main depression travelling eastward to Scandinavia, and pressure increasing quickly in its rear.

Wednesday, 20th April, 1910.

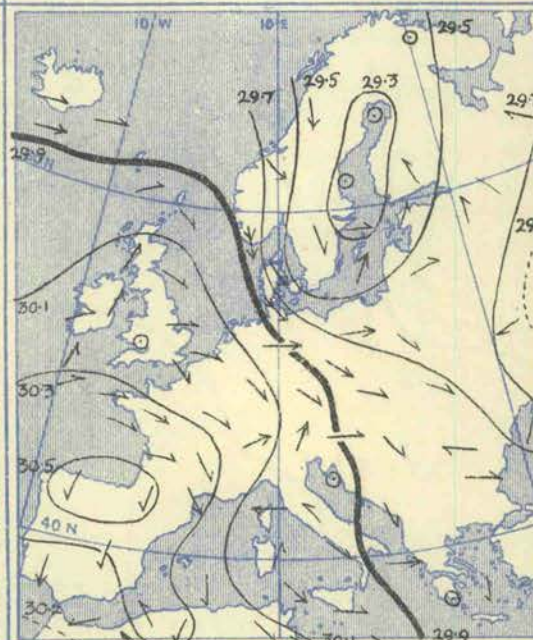
Temperature and Weather.

7 a.m.

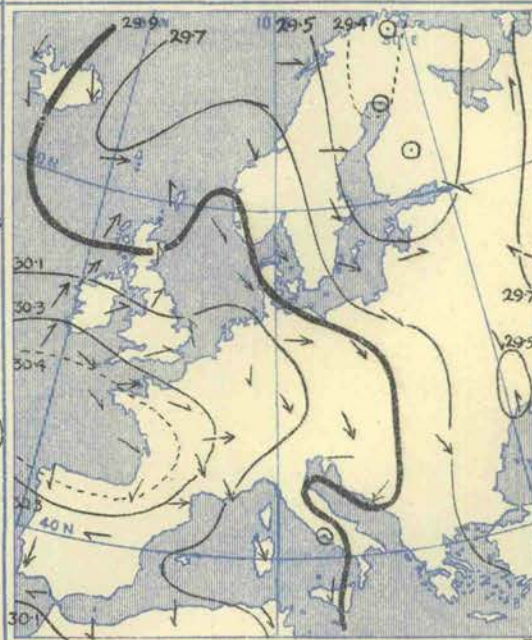


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy to overcast over nearly the whole of this country, France, Scandinavia, and a large portion of central Europe, with rain at a few of our western stations, in some French localities, and at Munich, Warsaw, and Christiansund. Fair to fine and bright over much of Russia and the Mediterranean region. Some rain, generally slight, over the greater part of the United Kingdom and central Europe later, as well as in the north of the Continent, and as much as 0.4 ins. at Patras.

Temperature fallen in most regions. Morning readings above 60° at some stations in the far south of our area; below 40° in the north of Scotland and over a considerable area in the extreme north of Europe. Maxima during day about 60° over the southern half of England and the major portion of France, about 70° in the south of France and in Italy, and nearly 80° in several parts of the Spanish Peninsula. Thermometer remaining below 55° over most of Germany and the Low Countries.

Wind in morning showing an extensive cyclonic circulation over the north of the Continent, the North-Westerly current blowing a gale on the west coast of Norway and the eastern shores of the North Sea, and that from West a strong breeze or high wind over the Baltic. Light to fresh or strong breezes, mainly between North and West, on the Mediterranean. A well marked anticyclonic movement prevailing over the Bay of Biscay and its neighbourhood. Increasing in force from the South-Westward later in the north-west of these Islands and from the Northward in Iceland. Gale subsiding beyond the North Sea.

Barometer in morning ranging from above 30.5 ins. over the lower portion of the Bay of Biscay to below 29.3 ins. in a depression over the Gulf of Bothnia. Another minimum appearing to the eastward of Iceland by evening and barometer falling very decidedly in Scotland. Not much modification occurring in the general distribution of pressure elsewhere, but a well-marked depression developing over the south of Russia.

Thursday, 21st April, 1910.

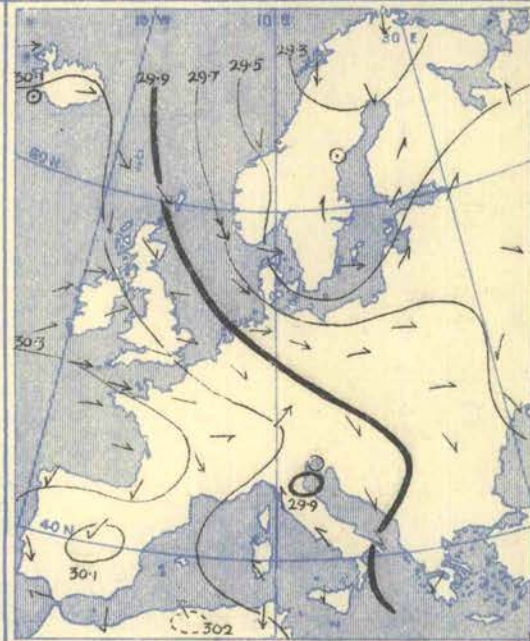
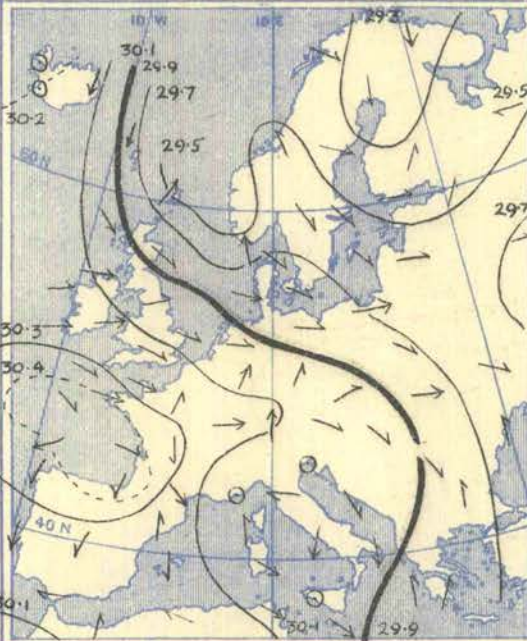
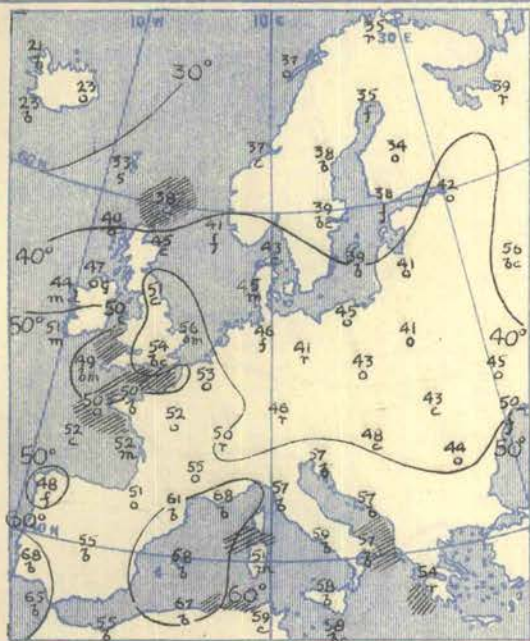
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning cloudy to overcast over the United Kingdom and its neighbourhood, and also in central Europe, with rain in places; fair to fine and bright in most other regions, but rainy in the extreme north of our area, as well as at Athens and Patras. Some rain later in many parts of these Islands and larger quantities in central Europe and at Athens—nearly an inch at Munich. Thunder at Lyons.

Temperature risen over these Islands, fallen over a large portion of the Continent. Morning readings ranging from nearly 70° on the Riviera, the coast of Portugal, and at some other places in the extreme south, to below 50° over the greater part of the mainland of the Continent and in the north of Britain and Ireland, and to below 40° over Scandinavia and northern Russia. Maxima during day, 64° in the south, south-east, and south-west of England, but below 50° at some of our northern stations, and not many degrees above it in central Europe. Thermometer rising to above 70° in the south of our area generally, and touching 82° at Madrid.

Wind in morning strong from the Northward at Thorshavn, moderate to fresh or strong from the Westward over the greater portion of this country, and high from South-West in Shetland. A light to moderate or fresh breeze from the Westward prevailing over central Europe, and a moderate to strong North-Westerly breeze over the Mediterranean and Adriatic. Veering towards North-West over our Islands and the North Sea region later and blowing with the force of a whole gale on the south-west coast of Norway.

Barometer in morning above 30.4 ins. over the Bay of Biscay; below 29.5 ins. in a depression off the west coast of Norway, and below 29.4 ins. in another in the far north of our area. Pressure increasing decidedly over the north of this country during day and falling over the Baltic and Germany. A small depression of no great depth forming over the northern part of the Adriatic and a fresh decrease of pressure setting in over Iceland by evening.

Friday, 22nd April, 1910.

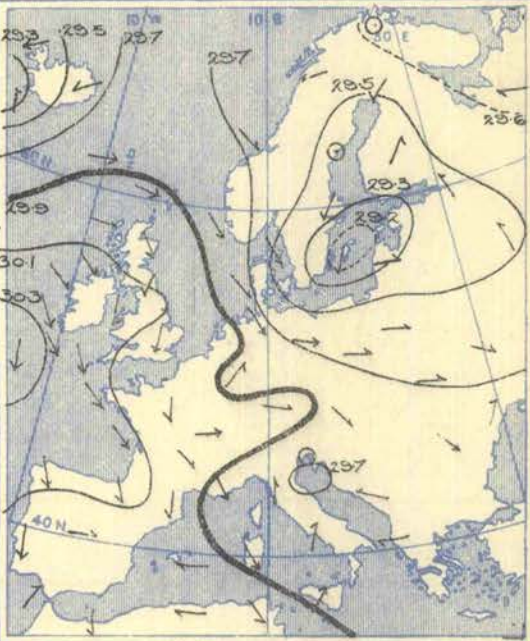
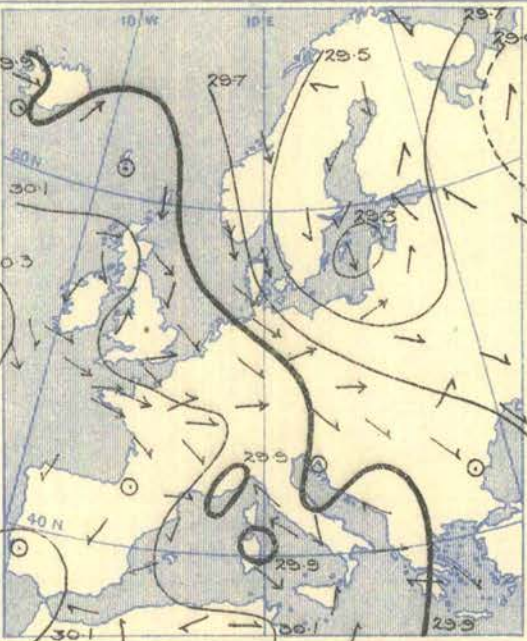
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright at most places in the south of our area, and also in southern Russia, but very cloudy or overcast in most other regions, with rain or passing showers in a few localities, and snow at Christiansund. Showers later in various parts of these Islands, with thunder and lightning in the south-east of England. More or less rain falling over a large area on the Continent, as much as 1.2 in. at Carlsruhe.

Temperature fallen over this country and north-western Europe generally. Morning readings ranging from 73° at Lisbon, 72° at Malaga, and above 60° at many other southern stations, to below 50° over the greater part of our area, and to below 40° in Scotland and at most stations in the north of the Continent. Maxima during day rather low over the major portion of this country and in central Europe, but above 70° in the south of France, some parts of Italy, the Spanish Peninsula, and Algeria, and as high as 86° at Madrid. Thermometer falling to freezing point at night in several English localities.

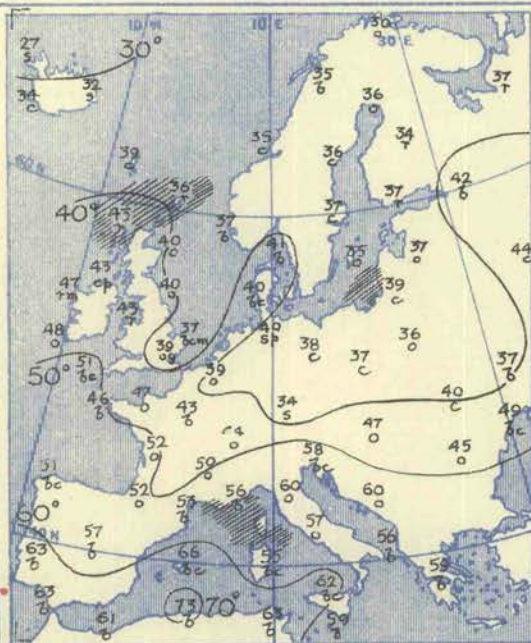
Wind in morning Northerly in the north of these Islands, Westerly in the south and over France. Strong to a gale from the North-Westward beyond the North Sea, and strong from West on the shores of the Baltic. Light and rather variable airs prevailing over the Mediterranean region. Veering to the Northward during day over the whole of the United Kingdom and the north of France, and blowing freshly in places. Backing to South or East in Iceland by evening, and increasing in force.

Barometer in morning above 30.2 ins. over the Bay of Biscay and also off the west of Ireland. Below 29.3 ins. in a depression of considerable size centred over the upper portion of the Baltic; relatively low in some shallow systems over the south of our area as well as in a small secondary over England. Pressure decreasing quickly later over Iceland, but little change taking place in the general distribution elsewhere. Barometer rising over Ireland and England. A well-marked depression forming over Spain.

Saturday, 23rd April, 1910.

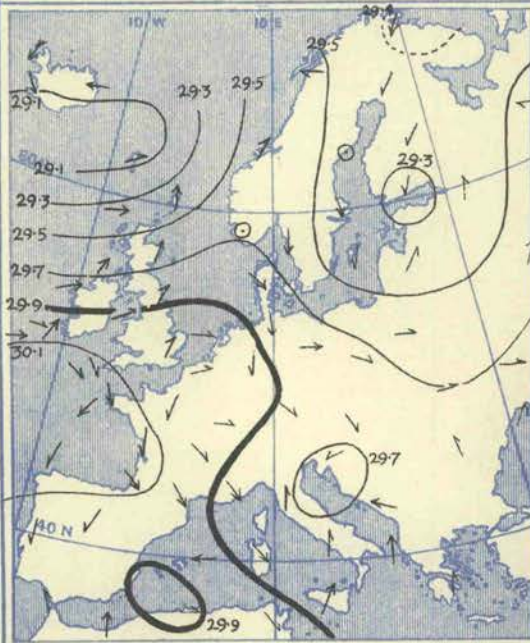
Temperature and Weather.

7 a.m.

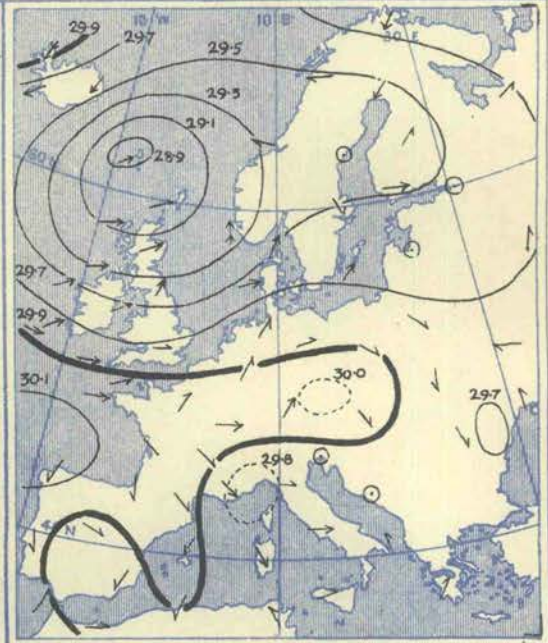


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine and bright over the Spanish Peninsula, Algeria, many parts of France, Germany, and Russia, but very cloudy or quite overcast over the major portion of our area, with rain in places in the west and north of these Islands and over the northern half of the Continent, and snow in Iceland. Showers of hail or rain becoming general in these Islands during day, and slight precipitation occurring at many stations in northern and central Europe, and also in the south of Russia and at Sfax.

Temperature risen in Scotland, fallen very generally elsewhere. Morning readings ranging from 73° at Algiers, 66° at Palma, and above 60° at a few other southern stations to 40° or below in many parts of Great Britain and in central and northern Europe, and to 30° at Vardö. Maxima during day below 60° at some of our own stations and over a large area in the central countries and the Netherlands. Above 70° in Italy, Spain and Portugal, and Algeria; 82° at Madrid and 86° at Tunis. Night rather cold over these Islands and central Europe.

Wind in morning showing three distinct cyclonic movements, the chief being over the United Kingdom and the Icelandic region. Westerly to South-Westerly current light to fresh or strong over this country, but a gale from between East and North prevailing in Iceland. Fresh to strong breezes from North-West and South-West blowing on some shores of the Mediterranean, and a strong Northerly breeze at Wisby. Wind increasing in force from West and South-West over these Islands during day, and becoming high in places. A Southerly gale setting in on the south-west coast of Norway.

Barometer in morning above 30.1 ins. over the Bay of Biscay; below 29.1 ins. in a large depression to the south of Iceland, below 29.3 ins. in another system over the Gulf of Finland, and relatively low in others further south. Icelandic depression moving south-eastward during day; pressure decreasing quickly in the north and north-east of the United Kingdom, and increasing very briskly in Iceland. Finnish disturbance apparently dispersing, and a considerable modification in the distribution of pressure taking place in the south of Europe.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						200 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. April 19th, 9.52 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	280° 95% 250°, 12	285.6° 95% 250°, 17	283.5° 100% 250°, 19	284.5° 80% 250°, 21				284.5° 80% 250°, 22	Metres. 1,050 { Clouds at 500 m. Wind very variable.
2	April 21st, 10.1 a.m. to 10.35 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	285.5° 80% 270°, 7	284.5° 80% 270°, 9	283° 95% 290°, 14	281° 100% 305°, 16	281° 100% 315°, 18				1,500 { Clouds at 700 m. Extremely steady wind.
3*	April 14th, 9.30 a.m. to 10.0 a.m.	Aldershot, 80 m.	Temperature Humidity Wind	280° 90% —	— — —	277° ?% —	275° ?% —				275° ?% —	1,200 Light South wind; overcast.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2
No. of Kites.. ..	1	1
Area of Surface (metres) ..	4	6
Length of Wire (metres) ..	1,200	1,700

* Received too late for insertion in last week's Report.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 17.
Vol. XXVII. (New Series.)

SEVENTEENTH WEEK, SUNDAY, APRIL 24TH, TO SATURDAY, APRIL 30TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was generally very changeable, with frequent showers of rain or hail, and with occasional snow over the northern and eastern districts. The showers were, however, interspersed in most places with considerable periods of fine, bright weather. Thunderstorms, or thunder only, occurred at some time during the period in most parts of Great Britain. Aurora was observed at Gordon Castle on Thursday.

Temperature was below the average, the deficit amounting to more than 3° in most districts, but to less than 2° in England E. and the English Channel. The highest of the maxima were recorded during the latter part of the week, and ranged from 62° in Ireland S. and 61° in the Midland Counties to 56° in England N.E. and S.W. The lowest of the minima, which occurred at most stations on the 26th or 27th, ranged from 28° in Scotland E., and 29° in England S.E., to 33° in Ireland and in England N.W. and to 37° in the English Channel. The lowest grass readings reported were 20° at Cambridge, 21° at Hereford and West Linton, 22° at Llangammarch Wells, and 23° at Crathes and Marchmont.

Mean Temperature of the Sea. At nearly every station the water was colder than during the corresponding week of last year, the greatest difference being about 3° at Kirkwall, Wick and Teelin. The means for the week ranged from about 49° on the south-west coast of England and at Eastbourne, Margate and Seaford to 42° at Burnmouth and Kirkwall.

Rainfall was considerably in excess of the normal in Scotland N. and England N.W., but in the other districts the divergence, whether plus or minus, was not very large.

Bright Sunshine was above the average in all districts. The percentage of the possible duration ranged from 62 in the English Channel, 54 in England S.E. and 52 in England S.W. to 39 in England N.E. and to 36 in Scotland N.

Barometer and Wind.—At the commencement of the week the centre of a large and deep depression lay over the north of Scotland, and the wind over these Islands was consequently from the Westward, and moderate to strong or high in force. The system moved slowly to the north of Scandinavia and decreased in intensity, but the arrival of other disturbances over the Icelandic region caused the wind to back to the South-Westward in this country. Towards the end of the week a rise of the barometer over the Bay of Biscay and the west of these Islands, and the expansion southwards and south-eastward of a depression over the North Sea region, produced a fresh to strong wind current from between North and West over the United Kingdom. Early in the week the wind reached gale force on some exposed parts of our west and north-west coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 116.	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate
	Sunshine ...	Abundant	Abundant	Moderate	Abundant	Abundant	Abundant	Moderate	Abundant	Abundant	Abundant	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 8 weeks from March 6th, 1910.	Warmth ...	3 * 3	2 * 3	4 * 1	2 * 1	3 * 4	2 * 4	2 * 2	2 * 1	1 * 3	2 * 2	1 * 2	1 * 2
	Rainfall ...	3 * 3	2 * 2	2 * 3	4 * 2	2 * 3	3 * 3	3 * 3	2 * 3	1 * 3	2 * 3	3 * 3	2 * 2
	Sunshine ...	4 * 1	2 * 1	1 * 3	3 * 3	3 * 3	4 * 4	2 * 3	2 * 2	3 * 2	2 * 4	2 * 3	4 * 3

PAST SEASONS.

SPRING, 1909. Mar. 7th-June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
	Rainfall ...	3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

SEVENTEENTH WEEK—April 24th to April 30th, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.								Rainfall.				Sunshine.					
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
0. SCOTLAND, NORTH		58	31	48.0	35.3	41.3	- 3.4	Day-deg. 17	Day-deg. - 16	Day-deg 25	Day-deg. + 13	7	+ 3	Inches. 1.30	Inches. +0.65	38	+ 5	% 36	% + 5
Eastern																			
1. SCOTLAND, EAST		60	28	50.5	34.4	42.1	- 3.0	33	- 5	21	+ 8	5	+ 1	0.44	-0.02	43	+ 8	42	+ 8
2. ENGLAND, N.E.		56	31	51.7	36.2	43.6	- 2.3	36	- 1	16	+ 8	6	+ 2	0.42	+0.05	40	+ 3	39	+ 3
3. ENGLAND, EAST		59	30	53.7	37.7	45.3	- 1.9	41	- 7	12	+ 4	5	+ 1	0.51	+0.12	48	+ 9	48	+ 9
4. MIDLAND COUNTIES		61	31	52.3	36.3	43.9	- 3.4	37	- 12	16	+ 5	5	+ 1	0.62	+0.18	46	+ 11	46	+11
5. ENGLAND, S.E.		58	29	52.9	38.0	45.1	- 3.3	39	- 11	11	+ 7	5	+ 1	0.42	-0.04	54	+ 14	54	+14
Western																			
6. SCOTLAND, WEST		57	31	49.7	36.7	42.9	- 3.7	29	- 12	15	+ 8	6	+ 2	0.67	0.00	46	+ 9	45	+ 9
7. ENGLAND, N.W.		57	33	50.4	38.2	44.0	- 3.1	30	- 12	11	+ 6	6	+ 2	0.82	+0.32	42	+ 6	42	+ 6
8. ENGLAND, S.W.		56	30	51.2	39.1	44.9	- 3.2	32	- 15	8	+ 5	4	0	0.46	-0.16	52	+ 12	52	+12
9. IRELAND, NORTH		59	33	50.4	37.3	43.6	- 3.4	31	- 11	13	+ 8	6	+ 2	0.66	+0.08	43	+ 8	42	+ 8
10. IRELAND, SOUTH		62	33	52.7	39.3	45.6	- 2.8	37	- 12	8	+ 5	5	+ 1	0.50	-0.17	47	+ 9	46	+ 9
11. ENGLISH CHANNEL		59	37	54.0	42.7	48.1	- 1.8	43	- 12	0	0	3	- 1	0.35	-0.17	62	+ 15	62	+15
THE SEASON (Spring).—Aggregates, &c., for the Period of 8 Weeks, March 6th to April 30th, 1910.																			
0. SCOTLAND, NORTH		60	20	*	*	*	*	141	- 10	185	- 12	41	+ 4	9.21	+2.42	212	- 5	29	- 1
Eastern																			
1. SCOTLAND, EAST		62	23	*	*	*	*	187	- 8	195	- 17	29	- 2	4.77 §	+0.93	244	+ 8	34	+ 1
2. ENGLAND, N.E.		63	24	*	*	*	*	239	+ 40	134	- 27	26	- 3	2.54	-0.51	238	- 19	33	- 3
3. ENGLAND, EAST		64	21	*	*	*	*	261	+ 1	130	- 38	26	- 1	2.86	+0.02	263	0	37	0
4. MIDLAND COUNTIES		63	23	*	*	*	*	261	- 8	165	- 11	26	0	2.85	-0.35	240	+ 2	34	0
5. ENGLAND, S.E.		64	22	*	*	*	*	263	- 12	105	- 12	27	+ 2	3.39	+0.27	273	+ 12	38	+ 2
Western																			
6. SCOTLAND, WEST		62	26	*	*	*	*	204	+ 2	121	- 29	34	+ 3	5.37	-0.37	230	- 16	32	- 2
7. ENGLAND, N.W.		62	23	*	*	*	*	206	- 9	106	- 22	32	+ 3	3.84	-0.26	241	+ 7	34	+ 1
8. ENGLAND, S.W.		61	20	*	*	*	*	242	- 24	93	- 4	27	- 2	3.37	-1.24	281	+ 15	40	+ 2
9. IRELAND, NORTH		62	26	*	*	*	*	226	- 5	105	- 16	35	+ 1	4.30	-0.36	215	- 17	30	- 2
10. IRELAND, SOUTH		64	25	*	*	*	*	279	- 6	82	- 8	34	+ 3	4.51	-0.61	235	- 24	33	- 3
11. ENGLISH CHANNEL		60	31	*	*	*	*	316	+ 3	21	- 9	24	- 7	3.28	-0.54	343	+ 27	49	+ 4
THE YEAR.—Aggregates, &c., for the Period of 17 Weeks, January 2nd to April 30th, 1910.																			
0. SCOTLAND, NORTH		60	2	*	*	*	*	189	- 22	572	+ 45	93	+10	20.91	+3.16	333	+28	27	+ 2
Eastern																			
1. SCOTLAND, EAST		62	-10	*	*	*	*	245	-18	664	+ 15	72	+ 6	10.81 §	+1.98	397	+37	32	+ 3
2. ENGLAND, N.E.		63	6	*	*	*	*	323	+44	435	- 27	67	+ 5	6.96	+0.52	395	+12	31	+ 1
3. ENGLAND, EAST		64	17	*	*	*	*	381	+31	379	-128	66	+ 5	7.21	+1.00	449	+46	35	+ 4
4. MIDLAND COUNTIES		63	10	*	*	*	*	368	- 5	454	- 58	63	+ 9	8.12	+0.74	409	+52	32	+ 4
5. ENGLAND, S.E.		64	13	*	*	*	*	402	+ 9	283	- 93	70	+13	9.57	+2.00	458	+63	36	+ 5
Western																			
6. SCOTLAND, WEST		62	0	*	*	*	*	291	0	412	0	81	+10	16.69	+2.10	360	+ 8	29	+ 1
7. ENGLAND, N.W.		62	7	*	*	*	*	319	+10	325	- 54	82	+17	12.73	+2.96	393	+51	32	+ 4
8. ENGLAND, S.W.		61	8	*	*	*	*	402	-15	236	- 60	76	+11	13.25	+1.64	447	+45	35	+ 4
9. IRELAND, NORTH		62	7	*	*	*	*	357	+ 1	333	- 0	88	+12	14.02	+2.83	349	0	28	0
10. IRELAND, SOUTH		64	18	*	*	*	*	463	- 8	254	- 1	88	+19	15.21	+2.54	384	-11	30	- 1
11. ENGLISH CHANNEL		60	28	*	*	*	*	549	+17	54	- 55	74	+ 2	11.32	+2.09	531	+47	41	+ 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

§ The corresponding value for Report No. 16 slightly altered owing to receipt of further information.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.					NAMES OF STATIONS.						
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.							
						Of Highest each day.	Of Lowest each day.	For whole of each day.											Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.
0. SCOTLAND, N.	a, Islands.	p Balta Sound	48	30th	32	46.4	35.5	40.7	—	12	24	7	1.30	—	44.7	—	—	Balta Sound.						
	b, Main-land.	a Sumburgh Head	50	30th	—	48.0	—	—	—	—	—	—	—	—	36.2	—0.5	—	Deerness.						
		a Stornoway	52	30th	34	28th	47.1	36.0	41.3	—2.8	14	23	7	1.81	+1.17	43.0	+3.6	—	Stornoway.					
		a Castlebay, Barra Isd.	51	30th	35	28th	47.3	36.9	41.9	—5.1	15	20	6	0.77	—	48.5	—	—	Castlebay.					
		a Wick	50	24th, 30th	32	27th	48.0	34.7	41.0	—3.2	17	27	7	0.66	+0.22	—	—	—	Strathpeffer.					
		p Strathpeffer	53	30th	32	27th	48.2	35.7	41.7	—3.0	17	25	7	0.81	+0.38	39.8	+4.8	—	Strathpeffer.					
1. SCOTLAND, E.	p Glencarron	53	30th	32	28th	46.6	34.2	40.1	—3.6	13	28	7	2.89	+1.74	—	—	—	Fort Augustus.						
	p Fort Augustus	58	30th	31	27th	49.5	34.8	41.8	—3.1	21	28	5	0.72	+0.21	33.5	+5.3	—	Fort Augustus.						
	p Fort William	52	30th	34	24th	48.6	36.1	42.1	—3.9	25	17	6	1.29	+0.41	—	—	—	—						
	p Gordon Castle	53	27th, 30th	33	27th, 28th	49.6	34.8	41.8	—3.3	21	28	7	0.65	+0.28	40.1	—	—	Gordon Castle.						
	a Nairn	55	30th	31	27th	49.7	34.6	41.8	—3.2	22	29	7	0.86	+0.51	37.5	—	—	Nairn.						
	a Aberdeen	53	27th	34	27th	50.4	36.1	42.9	—1.9	31	17	6	0.51	+0.05	40.7	+2.5	—	Aberdeen.						
2. ENGLAND, N.E.	a Balmoral	60	30th	28	27th	49.1	32.3	40.3	—1.5	20	36	4	0.15	+0.37	39.6	—	—	Crathes S.						
	p Crieff	60	30th	32	27th	52.1	34.7	43.0	—3.1	38	20	2	0.34	—0.16	41.9	—	—	Balruidery.						
	a Leith	59	30th	36	26th, 27th	53.1	38.1	45.2	—1.1	39	11	4	0.14	—0.17	47.1	+16.1	—	Edinburgh.						
	a West Linton	56	30th	29	26th, 27th	49.2	31.2	39.8	—3.5	20	40	4	0.46	—	37.6	—	—	West Linton.						
	p Marchmont	57	30th	30	27th	50.4	33.0	41.3	—2.7	24	35	4	0.39	—0.11	51.1	+16.1	—	Marchmont.						
	a Alnwick Castle	58	30th	34	26th	51.7	37.0	44.0	—0.6	35	14	5	0.37	—0.06	37.0	—	—	Cockle Park.						
3. ENGLAND, E.	a Shields	53	27th	33	24th, 26th	50.7	34.7	42.3	—2.9	33	20	6	0.89	+0.05	39.0	+1.6	—	Newcastle.						
	p Durham	55	30th	33	24th, 27th	50.4	34.8	42.2	—2.6	32	20	5	0.80	+0.06	39.5	+6.0	—	Durham.						
	p Rounton	54	27th, 30th	31	26th, 30th	51.2	34.2	42.3	—2.4	35	22	6	0.45	+0.11	—	—	—	Scarborough.						
	p Scarborough	55	27th	36	26, 27, 29, 30	53.1	37.4	44.9	—0.7	40	13	6	0.30	—0.12	36.8	—	—	York.						
	p York	54	29th	35	26, 27, 30th	52.6	36.4	44.1	—3.1	38	16	7	0.35	—0.06	30.4	—3.7	—	—						
	a Spurn Head	54	28th	38	26, 27, 29th	50.6	39.0	44.5	—1.8	30	8	5	0.42	+0.15	—	—	—	Skegness.						
4. MIDLAND COUNTIES.	a Lincoln	56	27th	33	27th	53.1	36.4	44.4	—3.0	40	16	5	0.03	+0.27	46.7	—	—	Raunceby.						
	a Fulbeck	55	27th	33	30th	51.6	37.0	44.0	—3.3	35	14	5	0.55	+0.18	50.4	—	—	Lowestoft.						
	p Cromer	57	27th, 28th	34	29th	53.0	38.6	45.5	—0.0	39	10	5	0.54	—	49.7	—	—	Cromer.						
	p Hillington	58	27th	31	27th	53.2	35.6	44.0	—3.1	41	18	6	0.90	+0.49	41.8	+2.8	—	Hillington.						
	a Yarmouth	58	28th	34	24th, 27th	53.3	36.4	44.4	—1.5	40	16	4	0.35	—0.00	52.8	—	—	Yarmouth.						
	a Norwich	59	27th	36	29th, 30th	54.2	38.3	45.9	—0.6	43	10	6	0.65	—	—	—	—	Geldeston.						
5. ENGLAND, S.E.	p Geldeston	59	28th	30	27th	54.6	35.9	44.8	—3.2	45	17	6	0.56	+0.20	51.7	+11.7	—	Cambridge.						
	p Cambridge	56	28th	35	27th	53.4	38.7	45.7	—1.3	40	9	6	0.33	—	48.3	—	—	Felizstove.						
	a Felixstowe	56	28th	35	27th	53.0	39.0	46.7	—1.1	39	8	6	0.88	—	47.5	—	—	Clacton.						
	a Clacton-on-Sea	56	28th	35	27th	53.0	38.5	45.4	—1.6	39	10	6	0.50	+0.12	47.3	+9.5	—	Rothamsted.						
	a Rothamsted	58	27th, 28th	36	27th	54.1	39.1	46.2	—2.6	42	8	4	0.26	—0.00	48.9	—	—	Southend.						
	a Shoeburyness	57	28th	37	29th, 30th	53.7	40.0	46.5	—1.8	40	6	4	0.34	—	48.1	—	—	Tottenham.						
6. ISLE OF MAN	p Tottenham	57	28th	37	29th, 30th	53.7	40.0	46.5	—1.8	40	6	4	0.34	—	48.1	—	—	—						
	a Harrogate	54	30th	33	24, 26, 30th	50.5	34.7	42.2	—3.2	32	20	6	0.51	+0.07	47.9	—	—	Harrogate.						
	a Bawtry	57	27th	33	26th, 27th	53.7	36.0	44.4	—2.9	42	17	4	0.36	+0.01	41.9	+9.0	—	Worksop.						
	p Buxton	50	27th	32	27th	46.3	33.9	39.8	—4.0	12	29	7	1.87	+1.30	34.8	—	—	Buxton.						
	a Nottingham	54	28th	34	27th	52.0	37.0	44.1	—3.1	36	14	5	0.61	+0.24	39.5	—	—	Nottingham.						
	p Birmingham, Edgbn	55	27th	36	25th, 29th	49.5	37.2	43.1	—4.1	28	13	6	0.59	+0.15	43.3	—	—	Birmingham.						
7. ENGLAND, N.W.	a Raunds	59	27th	31	27th	54.7	35.3	44.5	—2.7	46	19	5	0.50	—	—	—	—	Oxford.						
	a Oxford	56	28th	35	26th, 29th	52.4	38.0	44.9	—3.3	37	11	5	0.71	+0.35	45.3	+7.3	—	Sheffield.						
	a Cheddle	53	27th	32	26th	49.9	35.0	42.1	—3.8	30	20	6	0.82	+0.36	46.6	—	—	—						
	p Shrewsbury	55	27th	34	27th	51.5	36.7	43.7	—4.5	34	15	7	0.69	—	—	—	—	Cirencester.						
	a Hereford	61	25th, 28th	31	27th, 29th	54.7	38.3	44.5	—2.2	46	19	6	0.76	+0.33	47.2	+7.4	—	Bath.						
	a Cirencester	54	27, 28, 29th	31	27th	53.0	37.6	44.9	—3.6	39	12	4	0.68	+0.23	58.8	—	—	Ramsgate.						
8. ENGLAND, S.W.	a Bath	53	27th	33	30th	51.6	37.0	44.0	—3.3	35	14	5	0.55	+0.18	50.4	—	—	—						
	p Kew	57	27th, 28th	35	27th	53.2	38.8	45.7	—2.7	39	9	5	0.41	+0.07	49.7	+11.7	—	Kew.						
	a Marlborough	54	28th	30	27, 29, 30th	52.0	34.9	43.0	—3.6	37	20	5	0.56	+0.12	49.1	+13.3	—	Marlbrough.						
	a Margate	58	28th	36	26th, 27th	53.4	39.3	46.0	—2.0	39	8	5	0.37	+0.06	49.0	+10.3	—	Margate.						
	a Wisley	57	28th	34	30th	53.4	37.6	45.1	—3.9	40	12	5	0.45	—	47.9	—	—	Wisley.						
	a Swaraton	55	28th	29	27th	52.0	36.2	43.7	—3.2	36	16	3	0.38	—0.06	60.0	—	—	Worthing.						
9. IRELAND, N.	a Tunbridge Wells	56	28th	33	26, 27, 29th	52.1	35.9	43.6	—3.8	37	17	6	0.72	+0.33	55.5	+14.7	—	Tunbridge Wells.						
	a Dungeness	55	28th	33	27th	53.0	38.3	45.3	—2.2	39	10	5	0.30	—0.00	57.2	—	—	Littlestone.						
	p Hastings	55	28th	36	29th	52.6	39.1	45.5	—2.6	37	8	6	0.30	—0.07	61.3	+17.6	—	Hastings.						
	p Southampton	55	24th, 28th	34	27th	53.9	38.3	45.7	—4.2	41	10	5	0.44	—0.00	52.8	+10.7	—	Southampton.						
	a Ventnor	55	27th, 28th	38	30th	53.4	41.9	47.4	—2.3	38	9	4	0.25	—0.12	58.3	+13.3	—	Ventnor.						
	a Westbourne	55	27th, 28th	38	30th	53.4	41.9	47.4	—2.3	38	9	4	0.25	—0.12	60.8	+17.4	—	Eastbourne.						
10. IRELAND, S.	a Westminster	58	28th	35	27th	54.3	38.4	46.0	—2.8	43	10	6	0.45	+0.12	44.6	+14.6	—	Westminster.						
	a Greenwich	60	28th	35	27th	55.5	38.2	46.4	—2.3	47	11	5	0.40	+0.09	50.1	+13.3	—	Greenwich.						
	a Laudale	52	30th	34	24th	47.6	35.6	41.3	—5.0</															

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	41.9	—	Harrogate	4	25	43.8	45.6	6. Dumfries	3	29	44.6	45.0
1. Aberdeen	—	—	—	42.5	Huddersfield	1	30	44.8	43.7	Douglas	0	33	—	—
Crathes	5	23	43.3	42.5	Buxton	3	27	43.8	43.7	Aspatia	3	28	45.9	44.9
Balmoral	5	24	—	—	Sheffield	7	25	45.1	44.2	Newton Rigg	4	25	45.0	43.9
West Linton	5	21	—	—	Nottingham	4	24	45.0	45.0	Burnley	3	26	43.0	43.5
Marchmont	4	23	43.1	—	Birmingham	0	31	43.5	45.0	Southport	1	30	47.7	47.1
Cockle Park	2	28	41.6	43.3	Oxford	3	28	—	—	Manchester City	0	33	44.1	45.8
Durham	1	28	—	—	Hereford	4	21	—	—	Bettws-y-Coed	0	34	45.0	46.0
York	—	—	45.4	45.1	Cirencester	3	27	46.2	46.1	Llangammarch Wells	4	22	45.9	45.9
Hull	4	27	45.1	45.0	Bath	—	—	49.2	48.0	Cardiff	3	25	47.0	46.9
Lincoln	—	—	44.7	44.9	Margate	0	34	47.5	47.3	Clifton	0	32	—	—
Raunceby	4	25	47.1	46.1	Greenwich	4	26	—	—	Plymouth	2	26	49.7	—
Norwich	2	27	—	—	Westminster	3	28	—	—	9. Armagh	1	30	47.2	46.4
Yarmouth	—	—	47.7	48.7	Kew	3	25	47.8	47.3	Markree	3	26	47.9	46.6
Lowestoft	1	30	47.5	47.3	Canterbury	1	30	46.8	47.9	10. Dublin, Trin. Coll. ..	2	28	47.7	47.3
Cambridge	6	20	47.9	47.8	Tunbridge Wells	4	25	47.8	—	11. Guernsey, Brooklyn	0	32	50.4	49.1
Clacton-on-Sea	1	29	48.1	48.4	Wisley	4	25	46.8	47.7					
Southend	4	29	48.3	—	Worthing	1	28	49.4	48.0					
Tottenham	1	30	—	47.2	Portsmouth	1	27	49.6	49.2					
					6. Glasgow	2	29	—	—					
					Rothsay	—	—	—	44.2					
					Colmonell	1	29	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	44	44	44.0	SCOTLAND, W.	Lamlash	45	45	45.0
	Kirkwall	42	41	41.7		Ballantrae	45	44	44.7
	Wick	48	43	43.8	ENGLAND, N.W.	Port Erin	47	45	45.7
SCOTLAND, E.	Cromarty	45	42	43.3		Newquay	50	49	49.1
	Pennan Bay	48	41	43.7	ENGLAND, S.W.	Plymouth	50	48	49.1
	Aberdeen, Cove Bay	44	42	42.5		Salcombe	51	48	49.0
ENGLAND, N.E.	Burnmouth, Berwick	42	41	41.8	IRELAND, N.W.	Sheephaven	47	47	47.0
	Scarborough	45	42	43.7		Teelin	49	45	47.0
ENGLAND, E.	Shipwash Lightship	47	46	46.7	IRELAND, S.W.	Cleggan	52	45	47.4
	Margate	50	48	48.8	IRELAND, E.	Seafeld	51	45	48.8
ENGLAND, S.E.	Eastbourne	49	48	48.6					

† Only one observation each day.

Registering Balloon Ascents.

Errata.—The values given below for ascents Nos. 1 and 2 should be substituted for those printed in ascents Nos. 4 and 7 on p. 400A of the special supplement to Weekly Weather Report No. 49, for the week ended December 11th, 1909.

Addendum.—For ascents during February, 1910, additional to No. 3, see Report No. 16, p. 132.

Height km.	1		2		3		Height. km.
	Petersfield, Ditcham Park.		Manchester.		Ditcham Park, Petersfield.		
	December 7th, 1909. 7.6 a.m.		December 7th, 1909. 6 p.m.		February 2nd, 1910. 4.34 p.m.		
	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	
Ground	.971	274.5	.994	276.2	.973	276.5	Ground.
0.5	.929	274.	.940	273.5	.933	275.	0.5
1.0	.875	271.	.880	271.5	.874	270.5	1.0
1.5	.822	268.	.826	266 or 267.5	.822	266.5	1.5
2.0	.771	265 or 263	.773	262.5 or 265.	.772	263.	2.0
2.5	.711	263.	.727	258.5 or 262.	.723	260.5	2.5
3.0	.676	258.5	.680	258.	.679	258.	3.0
3.5	.635	255.	.634	253.5	.634	253.	3.5
4.0	.596	250.5	.594	250.	.594	250.	4.0
4.5	.556	247.	.554	245.5	.551	246.5	4.5
5.0	.518	242.	.518	241.5	.520	243.	5.0
5.5	.484	238.	.484	238.	.485	240.	5.5
6.0	.449	235. or 235	.447	235.	.453	237.	6.0
6.5	.417	230 or 227	.413	228.	.422	233.5	6.5
7.0	.385	225.5 or 223	.387	223.	.394	230.5	7.0
7.5	.358	223 or 222	.360	217.5	.365	228.	7.5
8.0	.331	221.	.333	215.	.338	224.	8.0
8.5	.307	222.	.307	216.	.315	221.	8.5
9.0	.284	222 or 221.5	.285	217.5	.291	219.5	9.0
9.5	.261	222.	.266	218.	.270	221.	9.5
10.0	.245	223.	.245	220.	.249	222.	10.0
11.0	.211	224.	.208	220.	.214	222.	11.0
12.0	.181	224.	.180	220.	.184	222.	12.0
13.0	.156	223.	.153	219.	.168	222.	13.0
14.0	.133	222.5	.130	218.5	.136	221.5	14.0
15.0	.115	221.	.111	217.	.116	221.	15.0
16.0	.098	221.5	.093	216.	.101	220.5	16.0
17.0	.084	222.	.080	215.5			17.0
18.0			.076	214.5			18.0
19.0			.062	214.5			19.0
20.0			.053	215.5			20.0
20.2			.051	215.5			20.2

1.—Balloon fell at Hamstreet, Ashford, Kent, distant 127 km., direction 83°. Mean Temperature Gradient (Ground to 7 km.) 0.73° per 100 metres. Wind W.; Cloud from N.W. (315°). Sky overcast. 2.—Balloon fell at Melton Mowbay, distant 120 km., direction 130°. Mean Temperature Gradient (Ground to 7 km.) 0.8° per 100 metres. 3.—Balloon fell at Bromley Common, Kent, distant 82 km., direction 53°. No Wind observations. Mean Temperature Gradient (Ground to 9 km.) .63° per 100 metres. Greatest Height 16.8 km. Temperature 220.5.

Sunday, 24th April, 1910.

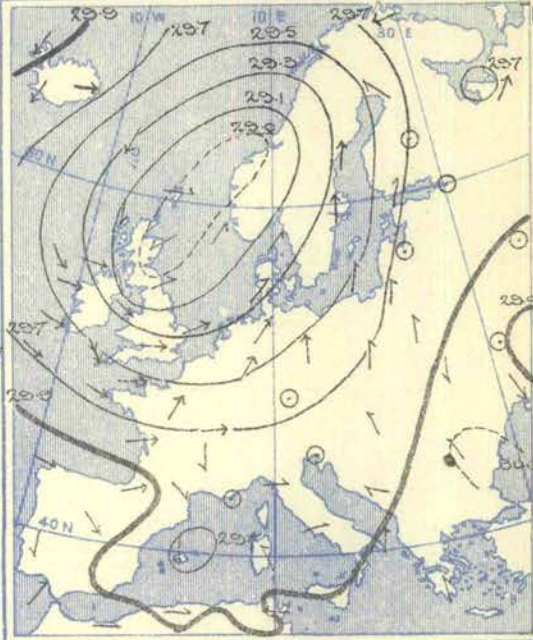
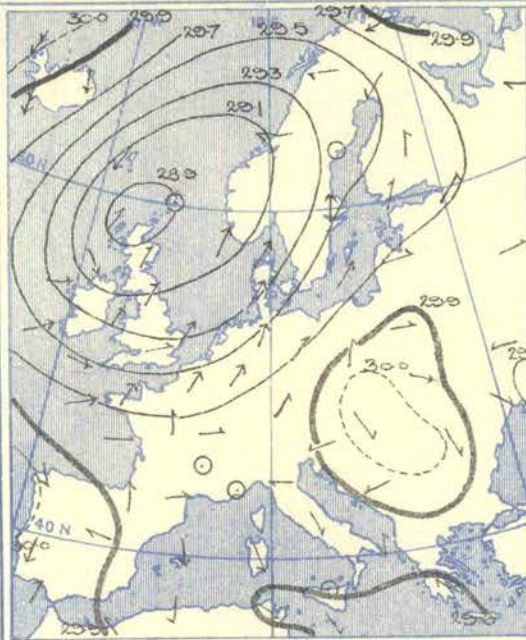
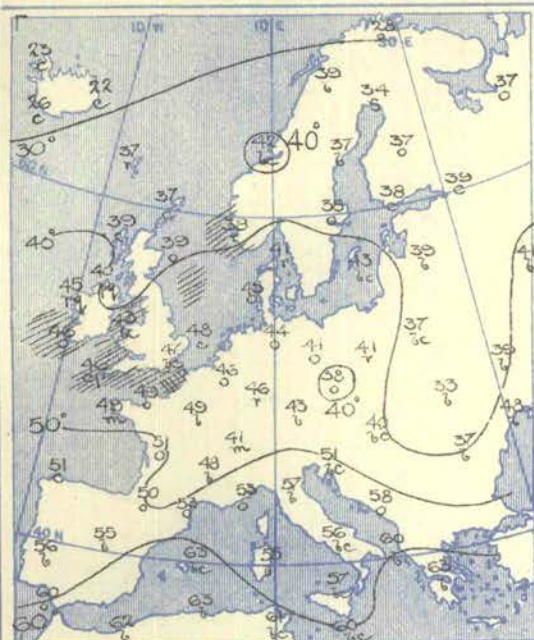
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning rainy or showery over the greater part of our Islands and the north-west of the Continent, and also at Breslau and Kieff. Fair to fine and bright in Italy and most other parts of southern Europe. Rain and hail showers later over the United Kingdom, with thunderstorms in several parts of Great Britain, small to moderate amounts of rain over a large area on the Continent, and as much as 2.8 ins. at Lugano.

Temperature fallen in most regions, risen over the Baltic. Morning readings ranging from 70° at Stax, and above 60° at several other places in the south, to below 40° in Scotland and over a considerable portion of the Continent, and to below 32° in the extreme north of Norway. Rising later to about 90° in the interior of Algeria, 75° at Brindisi, and to nearly 70° at many stations in the south of our area. Thermometer remaining below 50° in various parts of these Islands and the Netherlands, and below 55° at many places in the central countries.

Wind in morning circulating cyclonically over these Islands and north-western Europe generally. North-easterly current strong to a gale over the Icelandic region, and that from the Westward fresh to strong or high over this country; strong southerly breezes prevailing on the eastern shores of the North Sea. Light variable airs general over southern and eastern Europe. Veering towards North-West during day on our south-west coasts and increasing to gale force in places. A separate cyclonic movement of little strength setting in off the east of Spain.

Barometer in morning ranging from below 28.9 ins. in a large depression having its minimum off the north of Scotland, to about 30.0 ins. in the north-west of Iceland, the north-west of Spain, and also over Transylvania and Hungary. Depression moving eastward and undergoing some modification in form during day, and another minimum developing over the Balearic Isles. Pressure increasing briskly in the Hebrides and decreasing again in Iceland.

Monday, 25th April, 1910.

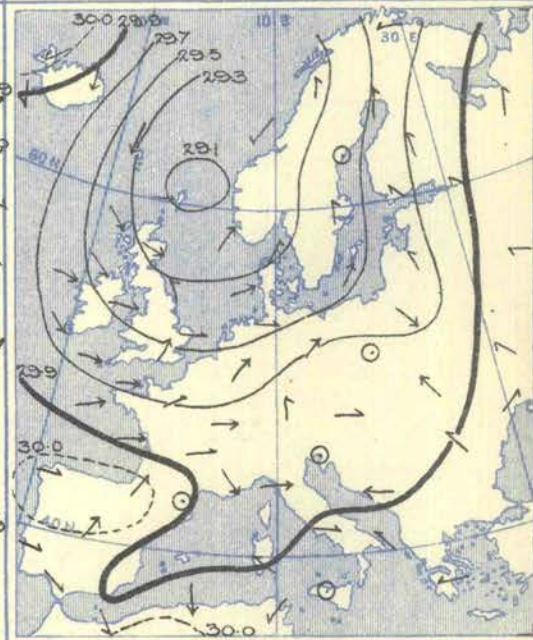
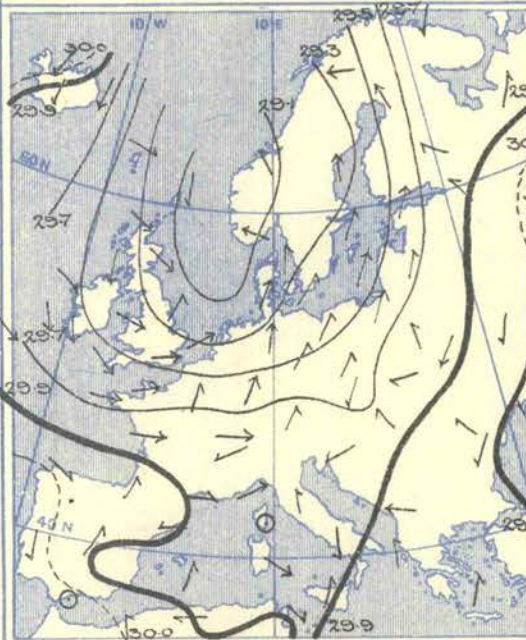
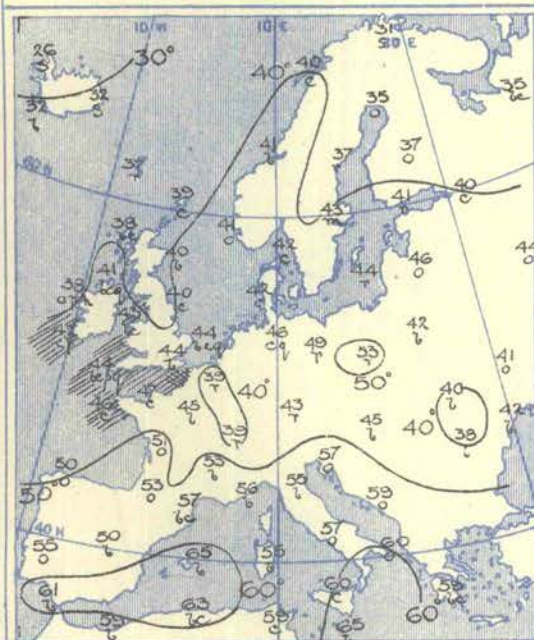
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning changeable, fine to overcast in these Islands, with passing showers of rain and hail; rainy at Brussels, Lugano, and over the central countries, and also on the shores of the Gulf of Bothnia, and snow falling at Vardö. Showers of rain and hail very prevalent over the United Kingdom later, and more or less precipitation experienced over the northern half of the Continent.

Temperature risen over the major portion of our area, fallen at most of our own stations. Morning readings ranging from 60° or above at many stations in the far south, to below 40° in Scotland and the northern regions of the Continent generally, and to 31° at Vardö. Maxima during day below 50° in most parts of Ireland and Scotland, as well as in some parts of England, but above 55° in Germany and the east of France, between 60° and 70° in Austria, and 70° or above at several stations in the Mediterranean region. Highest value, 79° at Oran.

Wind in morning showing a very extensive cyclonic circulation over all the north-western regions of Europe, and light to moderate breezes from various directions in the south. Northerly current strong to a gale in Iceland, and that from between North-West and West fresh to strong in most parts of these Islands. Southerly winds prevailing over the Baltic, the Gulf of Bothnia, and Sweden; fresh to strong generally. Little change later, gale subsiding in Iceland.

Barometer in morning above 30.0 ins. in central Russia, and also in the extreme south-west and north-west of our area. Below 29.1 ins. in a large depression centred between Shetland and Norway. Several local irregularities of pressures shown in other parts of our area. Scarcely any change taking place during day in the general distribution, but main depression becoming somewhat less deep.

Tuesday, 26th April, 1910.

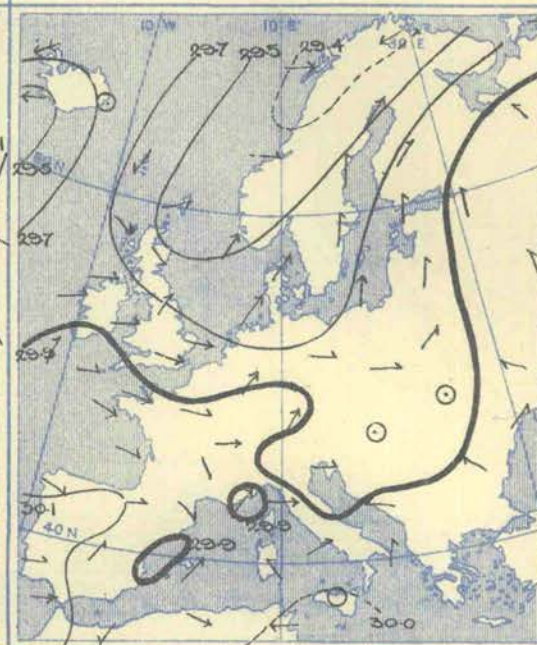
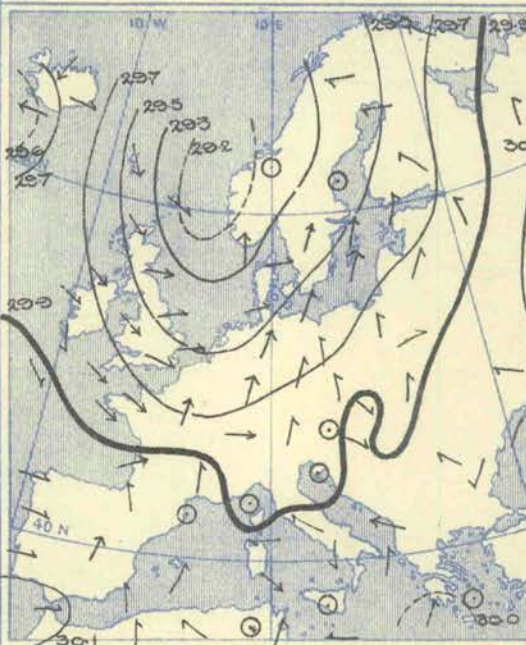
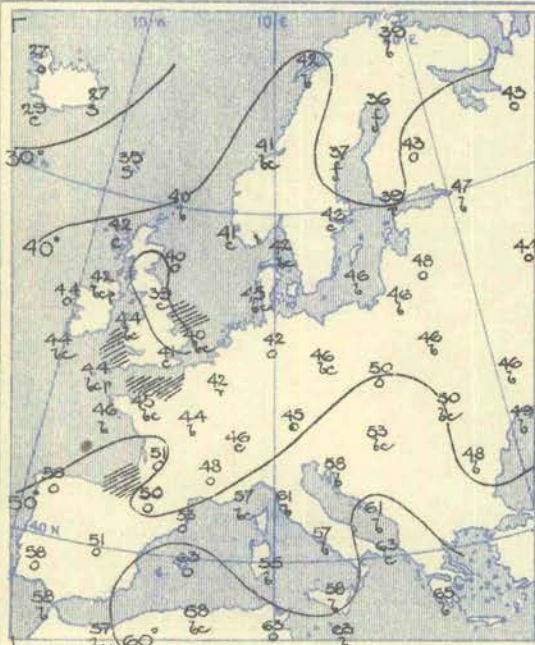
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to bright over the greater part of our area, but overcast in some localities, and rainy at some stations in France, the Netherlands, Denmark, and in the north-east of Europe. Hail and rain showers prevalent in the extreme north-west of these Islands. Showers of rain or hail experienced during day over a large portion of the United Kingdom, and rain at many places over the northern half of the Continent and also at a few stations in the south. A thunderstorm occurring at Cuxhaven.

Temperature changed rather irregularly; risen at most places in the eastern half of the Continent. Morning readings 68° at Algiers, and above 60° at some other stations in the far south; below 50° over our area as a whole, only 40° in Scotland, and below that figure in the north of Sweden. Maxima during day very little above 50° in any part of the United Kingdom and the Low Countries, but above 60° at many places in central Europe and the south of France, and above 70° at some Italian stations and on the north coast of Africa; thermometer rising to 81° at Tunis. Minimum as low as 31° during night at Bath.

Wind in morning moderate to strong from between West and North-West over the United Kingdom, and moderate to fresh or strong from South-West and South over the North Sea region and the Baltic. Light breezes from various points prevailing over the Mediterranean and central and southern Europe. A strong Easterly wind setting in over the west of Iceland during morning, and increasing to a gale by evening. Backing to South-West or South in the west and north-west of these Islands.

Barometer in morning above 30.1 ins. both in the south-west and north-east of our area. Below 29.2 ins. in a depression of decreasing intensity between Shetland and Norway, below 29.6 ins. in another system approaching Iceland, and relatively low in secondary disturbances elsewhere. Icelandic depression continuing to move eastward during day; pressure beginning to rise less briskly in the west of these Islands by evening, and falling somewhat during night.

Wednesday, 27th April, 1910.

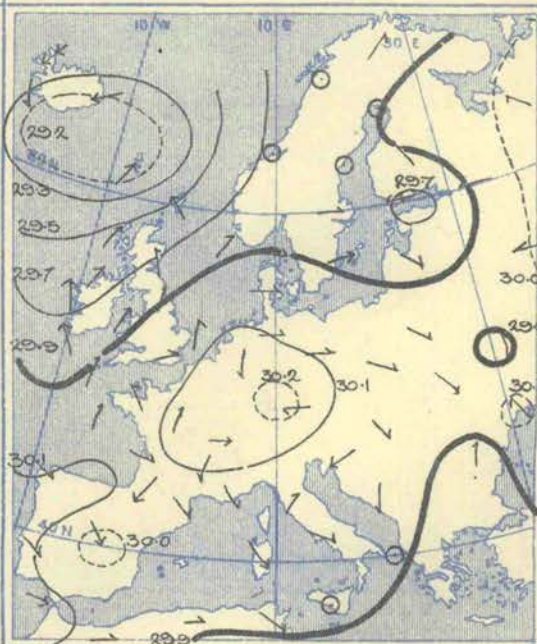
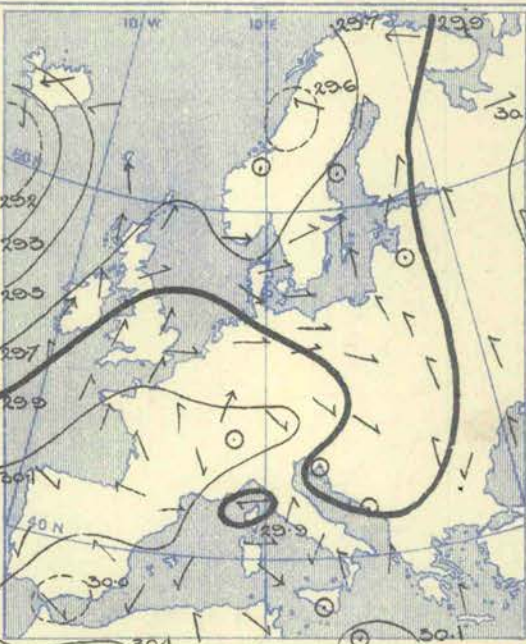
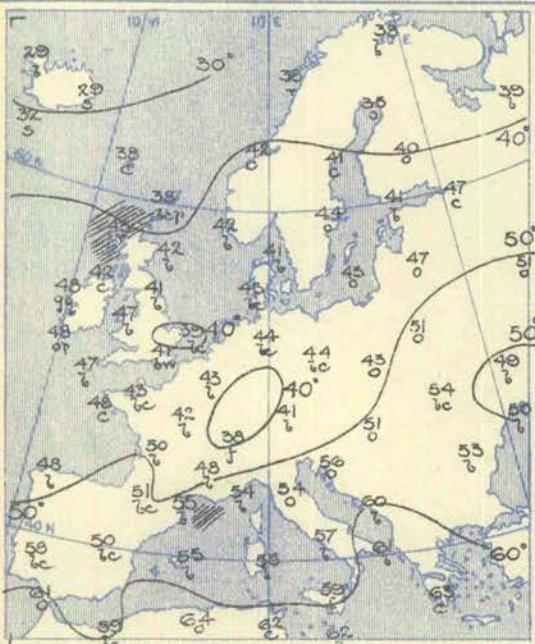
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright generally, but very cloudy or overcast in some localities, with rain at a few of our most northern and western stations, and also at Alicante, Prague, Bodo, and at some places on the North German coast. Showers of rain and hail later in the west and north of these Islands, and some snow and sleet in some Scottish districts. A little rain experienced over a large area in central Europe and Russia.

Temperature fallen over the major portion of our area, risen in this country. Morning readings ranging from about 40° in Scandinavia, Finland, and the north of Scotland, and also at many stations in France and Germany and the eastern half of England, to above 55° at many places in the south of our area, above 60° locally, and as high as 65° at Palma. Maxima during day about 70° at many stations within the Mediterranean region, and as high as 77° at Bucharest. Thermometer remaining below 60° in these Islands, central Europe, Normandy and Brittany.

Wind in morning generally light to moderate from between South and South-West over these Islands, but fresh or strong on the extreme north-west coasts; drawing into East in Iceland, and blowing a gale at Isafjord. Cyclonic breezes, varying in force, prevailing over the south of our area, and a light Southerly breeze in Russia and over the Gulf of Bothnia. Increasing somewhat in force during day over this country and a gale from South-West setting in at Thorshavn. Easterly gale increasing in strength in Iceland.

Barometer in morning ranging from above 30.1 ins. in a wedge-shaped area covering the Bay of Biscay, France, and South Germany, to less than 29.2 ins. in a depression centred off the south-west of Iceland. Relatively low in other disturbances in the south of our area, and also in one over the north of Norway. Main depression moving eastward during day and a V-shaped disturbance approaching these Islands from the Atlantic.

Thursday, 23th April, 1910.

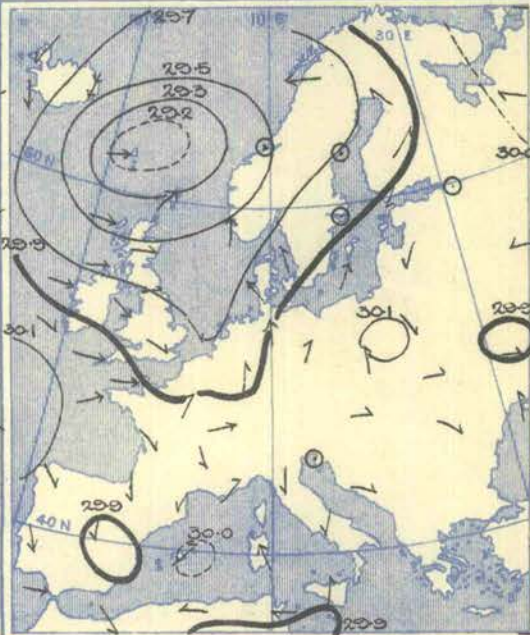
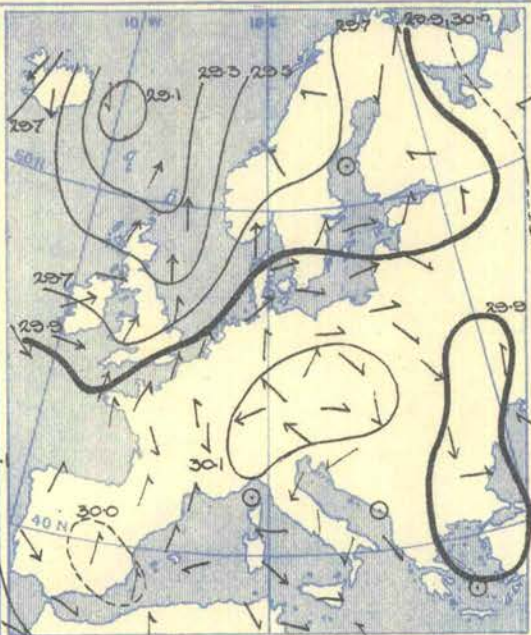
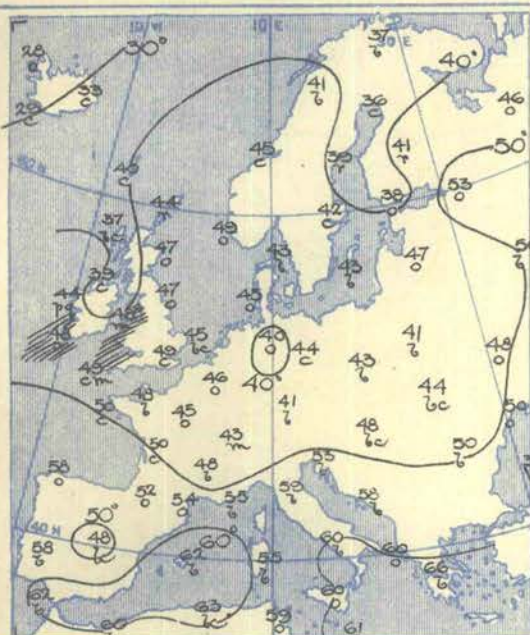
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright over all the southern and central countries, changeable, with showers of rain and hail over England and Ireland, and snow and sleet in Scotland. Some rain falling in Finland and Sweden. Showers of rain and hail rather frequent over a large part of the United Kingdom later, and some sleet and snow experienced in Scotland. Thunder heard in some English localities. A little rain falling here and there on the Continent.

Temperature changed rather irregularly. Morning readings ranging from about 60° at many stations in the south of our area, to 40° at some places in central Europe, to below that figure in northern Scotland and in the north of Scandinavia. Maxima during day below 50° at several of our western and northern stations, but above 55° in the south and south-east of England. Thermometer touching or rising above 70° in various parts of the Mediterranean region, but remaining below 60° over the greater portion of central Europe.

Wind in morning strong or high from the Northward in Iceland, moderate to fresh or strong from the Westward in Ireland, and from the Southward in England and over the North Sea. Light or moderate breezes mostly between North-West and North-East prevalent over the south of our area, and light anticyclonic airs in the central districts. Veering towards North-West later very generally in this country and increasing somewhat in force. Rising to a gale from the Northward in Iceland and from the Southward on the south-west coast of Norway.

Barometer in morning above 30.1 ins. in a high pressure system centred over Germany and Austria; below 29.1 ins. in a depression off the east of Iceland; a V-shaped disturbance shown over these Islands, and some shallow depressions in other parts of our area. Main disturbance moving in a south-easterly direction during day and that over these Islands passing eastward to the North Sea. Pressure increasing quickly in the east of Iceland.

Friday, 29th April, 1910.

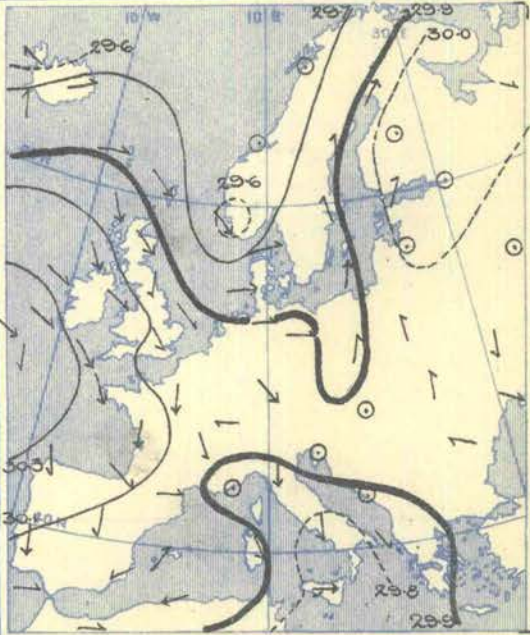
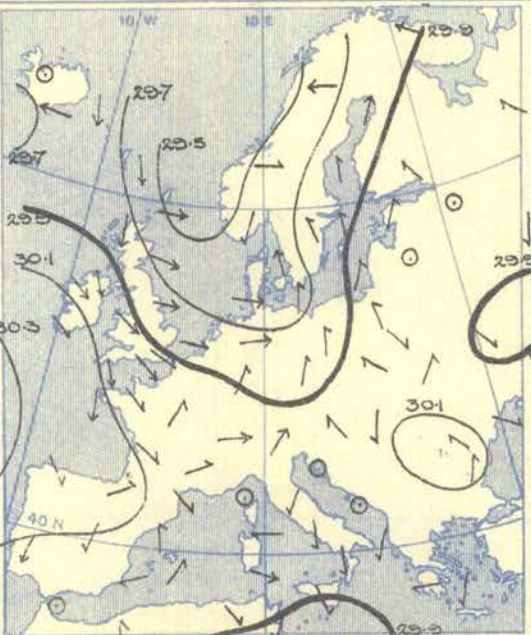
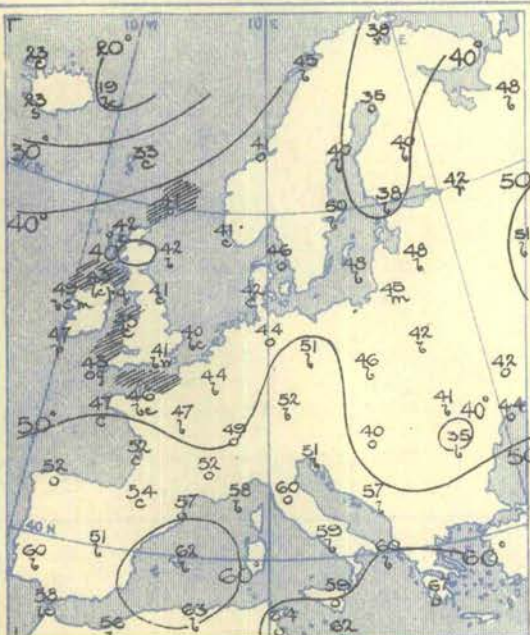
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine generally, but variable in some north-western and northern districts, with passing showers in places. A little rain later over a considerable portion of the United Kingdom and over a large region on the Continent, but conditions continuing dry in many places.

Temperature risen in Germany and the east of France, fallen in most regions. Morning readings above 60° at a few places in the south, and above 65° in Greece. Below 50° over the United Kingdom and most of the mainland of Europe, and below 40° in the north of Scotland and at some stations in the north of the Continent. Maxima during day not much above 50° at any of our own stations, but above 60° at several places in central Europe, between 65° and 70° in the south of our area generally, and above 80° in the interior of Algeria.

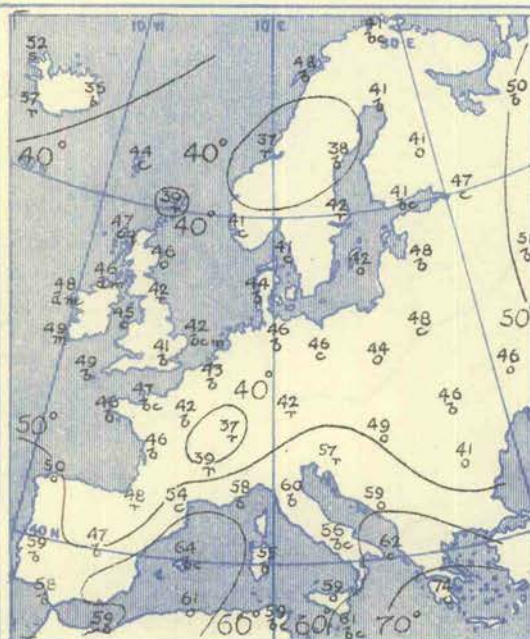
Wind in morning moderate to strong or high from between North-West and West over these Islands, and strong from between West and South in Denmark. Moderate to light variable or Northerly breezes prevailing over the south of our area, and a gale from the South-Eastward in the extreme north of Scandinavia. No change of a general character later in day; a gale from South-South-West setting in on the Skager Rack, but gale in the far north of Scandinavia subsiding.

Barometer in morning ranging from above 30.1 ins. over the Bay of Biscay and also over Hungary and Transylvania, to below 29.5 ins. in a depression between Norway and Shetland; a secondary disturbance shown over Denmark. Northern depression moving on to Norway during day and pressure increasing very decidedly over Scotland in its rear. Atlantic anticyclone extending further over these Islands, but a fresh fall of the barometer commencing in Iceland.

Saturday, 30th April, 1910.

Temperature and Weather.

7 a.m.

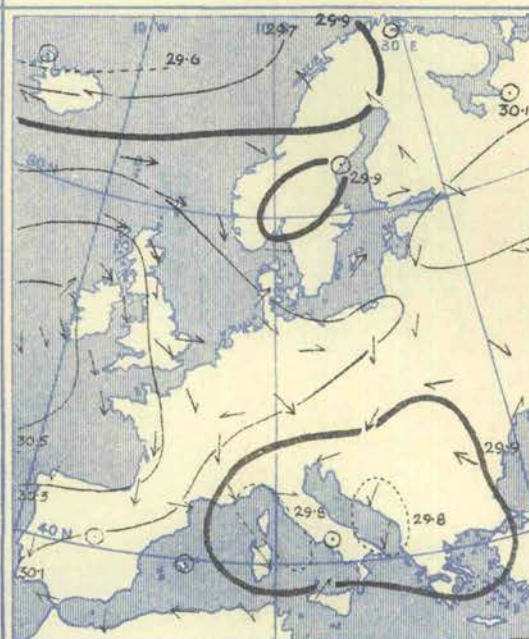


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or dull over the greater part of the United Kingdom, with showers or rain at some of our northern stations. Fair to fine and bright over the major portion of the Continent, but rainy over the north of Italy and its vicinity, as well as in the south-west of France and at some places in Scandinavia. A little rain later in various parts of these Islands and larger quantities in Spain, Algeria, the north of Italy, and in Austria.

Temperature risen at most of our own stations and over the eastern half of the Continent, fallen in France and the Spanish Peninsula. Morning readings ranging from 74° at Patras and above 60° over a very considerable area in the south to below 50° generally, and to below 40° in the east of France and also at some places in Scandinavia. Maxima during day above 55° in some parts of Ireland and Scotland, but below 55° over these Islands generally. Thermometer rising to about 70° in the south of our area and to 75° at Patras.

Wind in morning anticyclonic over our Islands and the nearer countries of the Continent, cyclonic elsewhere. Fresh to strong in force in the south of Norway, but moderate or light in most regions. Blowing very strongly from various directions later on several shores of the Mediterranean; reaching the force of a high wind from North-West at Cape Sicily. Not much change elsewhere.

Barometer in morning above 30.4 in the south-west of Ireland and over a large portion of the ocean. Below 29.7 ins. in a depression over the north-west of Norway and also in another system over Italy and the Adriatic. Gradient moderate in some localities, but slight generally. Pressure increasing during day over these Islands and their immediate neighbourhood, but decreasing in Iceland. Considerable modification taking place in the form of the Italian depression.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. April 25th, 9.47 a.m. to 10.15 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	282.5° 70° 250°, 7	281.5° 75° 250°, 12	279.5° 85° 250°, 12					277.5° 95° 250°, 12	Metres. { Convection currents. Wind dropped soon after the start. Very large soft hail in afternoon.
2	April 26th, 10.2 a.m. to 11.18 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	281° 80° 280°, 7	279° 80° 280°, 12	275° 90° 300°, 14	271.5° 95° 315°, 14				272° 95° 315°, 14	{ Humidity and wind very variable. Showers with soft hail in afternoon. Clouds not reached.
3	April 28th, 10.10 a.m. to 11.55 a.m.	Brighton, 115 m.	Temperature Humidity Wind ..	286° 60° 250°, 7	283° 60° 250°, 13	283° 60° 250°, 16	276.5° 60° 250°, 16				275° 60° 250°, 16	{ Half overcast. Alt. Cu. Bank of Cu. in N.W. Humidity uniform but value somewhat doubtful. Line squall crossed S.E. of England in the afternoon.
4	April 29th, 10.5 a.m. to 11.42 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	280.5° 65° 315°, 7	280° 65° 315°, 12	276.5° 75° 315°, 13	272° 95° 315°, 14				270° 100° 320°, 14	{ Clouds at 1,250 m.
5	April 30th, 9.42 a.m. to 10.47 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	280.5° 80° 305°, 6	— 80° 305°, 9	278.5° 85° 305°, 12	275° 95° 310°, 12				273° 50° 315°, 12	{ Clear to overcast, light rain in afternoon. Wind estimated from pull of wire.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4	5
No. of Kites ..	1	1	1	2	2
Area of Surface (metres) ..	4	6	7	19	13
Length of Wire (metres) ..	950	1,400	2,000	2,000	1,900

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 18.
Vol. XXVII. (New Series.)

EIGHTEENTH WEEK, SUNDAY, MAY 1ST, TO SATURDAY, MAY 7TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather. The general condition was cold and very changeable. Showers and squalls of rain, hail and sleet were very common, occurring in some localities every day, while passing thunderstorms were experienced on several occasions in various parts of England, and less frequently in Ireland and Scotland.

Temperature was below the average, as much as 3°·3 in Scotland W. and between 2° and 3° in many other districts. The highest of the maxima were recorded at most stations on the 1st, and ranged from 66° in Scotland E. and England N.E. to 58° in England E. and to 57° in the English Channel. The lowest of the minima, which in most places occurred late in the week, ranged from 28° in Scotland E., 29° in England S.W., and 30° in Scotland W. to 34° in Ireland S. and to 42° in the English Channel. The lowest grass readings recorded were 21° at Crathes, 22° at Llangammarch Wells, 23° at Cambridge, Hereford and Sheffield, and 24° at Balmoral and Birmingham.

Mean Temperature of the Sea. Except at Cromarty, Aberdeen, and Burnmouth the water was colder than during the corresponding week of last year, the difference being as much as 4° at Kirkwall and Cleggan. The means for the week ranged from 51° at Scilly, 50° at Plymouth and Seafeld and about 49° at some other places in the south-west and also at Margate and Eastbourne, to 43° at Burnmouth, and to 42° at Kirkwall.

Rainfall was more than the average in all districts except Scotland E., the excess being large in many places. Much of the precipitation consisted of hail and sleet.

Bright Sunshine was less than the normal in the English Channel and equal to it in England S.E., but in all other districts there was a slight excess. The percentage of the possible duration ranged from 48 in England S.W. and 44 in England E. and the Midland Counties to 37 in Ireland N. and to 34 in Scotland N.

Barometer and Wind.—The chief features of the week were the passage of some large cyclonic systems from the Icelandic region to Scandinavia and the progress from west to east of small secondary disturbances—some of them "V-shaped"—over the United Kingdom and the North Sea. The wind changed frequently in direction from S.W. to W. and N.W. and was generally of considerable force. Strong breezes or high winds were reported frequently from the coast stations, and at some exposed positions the force of a gale was occasionally reached.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 148.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Very heavy	Moderate	Moderate	Very heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Heavy	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 9 weeks from March 6th, 1910.	Warmth ...	3 * 4	2 * 3	4 * 1	2 * 2	3 * 5	2 * 5	2 * 3	2 * 2	1 * 4	2 * 3	1 * 3	1 * 3
		4 * 3	2 * 2	2 * 3	5 * 2	3 * 3	4 * 3	4 * 3	3 * 3	1 * 3	3 * 3	4 * 3	2 * 2
	Sunshine ...	4 * 1	2 * 1	1 * 3	3 * 3	4 * 3	4 * 4	2 * 3	2 * 2	3 * 2	2 * 4	2 * 3	4 * 3

PAST SEASONS.

SPRING, 1909. Mar. 7th–June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
		3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3

146 II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

EIGHTEENTH WEEK—May 1st to May 7th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	65	32	49.3	38.0	43.3	- 2.4	Day-deg. 26	Day-deg. - 11	Day-deg. 11	Day-deg. + 2	6	+ 1	Inches. 1.65	Inches. +0.97	37	+ 2	% 34	% + 2
Eastern																		
1. SCOTLAND, EAST	66	28	52.5	37.3	44.4	- 1.7	37	- 6	13	+ 3	5	+ 1	0.37	- 0.10	41	+ 4	38	+ 3
2. ENGLAND, N.E.	66	32	53.6	38.4	45.6	- 1.2	40	- 1	10	+ 5	6	+ 3	0.50	+ 0.09	43	+ 3	41	+ 3
3. ENGLAND, EAST	58	33	52.8	39.5	45.8	- 2.6	37	- 15	7	+ 1	6	+ 3	1.01	+ 0.62	45	+ 2	44	+ 2
4. MIDLAND COUNTIES	64	31	54.6	39.4	46.6	- 1.7	43	- 11	7	- 2	6	+ 3	0.55	+ 0.13	46	+ 7	44	+ 6
5. ENGLAND, S.E.	60	33	54.1	40.9	47.1	- 2.5	40	- 16	3	+ 1	6	+ 3	0.67	+ 0.28	44	0	42	0
Western																		
6. SCOTLAND, WEST	61	30	50.2	38.7	44.1	- 3.3	29	- 17	9	+ 5	6	+ 2	1.07	+ 0.40	44	+ 5	42	+ 5
7. ENGLAND, N.W.	64	31	51.7	40.3	45.7	- 2.3	33	- 13	5	+ 2	6	+ 2	1.01	+ 0.50	42	+ 2	40	+ 2
8. ENGLAND, S.W.	62	29	53.3	41.9	47.3	- 1.7	38	- 13	0	- 2	5	+ 1	0.70	+ 0.16	49	+ 5	48	+ 5
9. IRELAND, NORTH	64	33	51.5	39.3	45.0	- 2.9	32	- 14	8	+ 5	7	+ 3	1.03	+ 0.44	39	+ 2	37	+ 2
10. IRELAND, SOUTH	63	34	53.1	41.0	46.7	- 2.7	37	- 17	3	+ 1	6	+ 2	0.85	+ 0.23	44	+ 3	42	+ 3
11. ENGLISH CHANNEL	57	42	54.2	45.2	49.4	- 1.3	52	- 3	0	0	6	+ 3	0.56	+ 0.11	43	- 11	42	- 11
THE SEASON (Spring).—Aggregates, &c., for the Period of 9 Weeks, March 6th to May 7th, 1910.																		
0. SCOTLAND, NORTH	65	20	*	*	*	*	167	- 21	196	- 10	47	+ 5	10.86	+ 3.39	249	- 2	30	0
Eastern																		
1. SCOTLAND, EAST	66	23	*	*	*	*	224	- 14	208	- 14	34	- 1	5.14	+ 0.83	285	+ 12	35	+ 1
2. ENGLAND, N.E.	66	24	*	*	*	*	279	+ 39	144	- 22	32	0	3.04	- 0.42	281	- 16	34	- 2
3. ENGLAND, EAST	64	21	*	*	*	*	298	- 14	137	- 37	32	+ 2	3.87	+ 0.64	308	+ 2	38	0
4. MIDLAND COUNTIES	64	23	*	*	*	*	304	- 19	172	- 13	32	+ 3	3.40	- 0.22	286	+ 9	35	+ 1
5. ENGLAND, S.E.	64	22	*	*	*	*	303	- 28	108	- 11	33	+ 5	4.06	+ 0.55	317	+ 12	39	+ 2
Western																		
6. SCOTLAND, WEST	62	26	*	*	*	*	233	- 15	130	- 24	40	+ 5	6.44	+ 0.03	274	- 11	33	- 1
7. ENGLAND, N.W.	64	23	*	*	*	*	239	- 22	111	- 20	38	+ 5	4.85	+ 0.24	283	+ 9	35	+ 1
8. ENGLAND, S.W.	62	20	*	*	*	*	280	- 37	93	- 6	32	- 1	4.07	- 1.08	330	+ 20	41	+ 2
9. IRELAND, NORTH	64	26	*	*	*	*	258	- 19	113	- 11	42	+ 4	5.33	+ 0.08	254	- 15	31	- 2
10. IRELAND, SOUTH	64	25	*	*	*	*	316	- 23	85	- 7	40	+ 5	5.36	- 0.38	279	- 21	34	- 3
11. ENGLISH CHANNEL	60	31	*	*	*	*	363	- 6	21	- 9	30	- 4	3.84	- 0.43	386	+ 17	48	+ 2
THE YEAR.—Aggregates, &c., for the Period of 18 Weeks, January 2nd to May 7th, 1910.																		
0. SCOTLAND, NORTH	65	2	*	*	*	*	215	- 33	583	+ 47	99	+ 11	22.56	+ 4.13	370	+ 31	28	+ 2
Eastern																		
1. SCOTLAND, EAST	66	- 10	*	*	*	*	282	- 24	617	+ 18	77	+ 7	11.18	+ 1.88	438	+ 41	32	+ 3
2. ENGLAND, N.E.	66	6	*	*	*	*	363	+ 43	445	- 22	73	+ 8	7.46	+ 0.61	438	+ 15	32	+ 1
3. ENGLAND, EAST	64	17	*	*	*	*	418	+ 16	336	- 127	72	+ 8	8.22	+ 1.62	494	+ 48	36	+ 4
4. MIDLAND COUNTIES	64	10	*	*	*	*	411	- 16	461	- 63	74	+ 12	8.67	+ 0.87	455	+ 59	33	+ 4
5. ENGLAND, S.E.	64	13	*	*	*	*	442	- 7	286	- 92	76	+ 16	10.24	+ 2.28	502	+ 63	36	+ 5
Western																		
6. SCOTLAND, WEST	62	0	*	*	*	*	330	- 17	421	+ 5	87	+ 12	17.76	+ 2.50	404	+ 13	30	+ 1
7. ENGLAND, N.W.	64	7	*	*	*	*	352	- 3	330	- 52	88	+ 19	13.74	+ 3.46	440	+ 53	32	+ 4
8. ENGLAND, S.W.	62	8	*	*	*	*	440	- 28	236	- 62	81	+ 12	13.95	+ 1.80	496	+ 50	36	+ 4
9. IRELAND, NORTH	64	7	*	*	*	*	389	- 13	346	+ 5	95	+ 15	15.05	+ 3.27	388	+ 1	28	0
10. IRELAND, SOUTH	64	18	*	*	*	*	500	- 25	257	0	94	+ 21	16.06	+ 2.77	428	- 8	31	- 1
11. ENGLISH CHANNEL	60	28	*	*	*	*	601	+ 8	54	- 55	80	+ 5	12.38	+ 2.20	574	+ 37	41	+ 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *ft* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.	
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°.		Below 42°.
		Day.	Day.	Day.	Day.	Day.	Day.	Day.	Day.	Day.	Day.	Day.	Day.	Day.	Day.	Day.	Day.			
0. SCOTLAND, N.	a, Islands.	p Balta Sound	51	1st	34	6th	47.4	37.5	42.2	—	20	13	6	0.94	37.1	—	33	—	Balta Sound.	
	b, Main-land.	a Sumburgh Head	52	1st	34	6th	47.0	37.5	42.2	—	20	13	6	1.01	34.1	—	31	—	Deerness.	
		a Stormoway	55	1st	34	6th	48.6	38.9	43.5	— 1.3	24	9	7	1.88	40.5	+ 0.3	38	—	Stormoway.	
		a Castlebay, Barra Isd.	49	1st, 2nd	36	6th	47.4	40.0	43.5	— 4.5	19	6	7	0.71	49.9	—	47	—	Castlebay.	
		a Wick	65	1st	34	6th	52.3	33.9	45.2	+ 0.2	35	9	6	0.61	—	+ 0.16	—	—	Strathpeffer.	
		p Strathpeffer	58	1st	33	6th	40.6	38.1	43.5	— 2.3	27	11	6	1.11	—	+ 0.67	39.7	+ 3	Strathpeffer.	
1. SCOTLAND E.	b, Main-land.	p Glencarron	51	2nd	32	6th, 7th	45.5	36.1	40.5	— 4.1	10	21	7	3.16	—	+ 1.94	—	—	Fort Augustus.	
		p Fort Augustus	60	1st	32	6th	50.0	37.4	43.3	— 2.3	28	18	6	1.44	—	+ 0.91	33.4	+ 4	Fort Augustus.	
		p Fort William	53	1st	33	6th	49.8	38.3	43.7	— 3.0	27	10	7	2.34	—	+ 1.46	—	—	—	
		p Gordon Castle	66	1st	33	6th	53.2	37.1	44.7	— 1.4	39	14	5	0.22	—	+ 0.16	43.0	—	Gordon Castle.	
		a Nairn	66	1st	33	6th	52.1	38.7	45.0	— 1.0	35	9	5	0.35	—	+ 0.02	41.1	—	Nairn.	
		a Aberdeen	66	1st	34	6th	53.9	39.7	46.4	+ 0.7	40	6	6	0.40	—	+ 0.07	33.4	— 6.2	Aberdeen.	
2. ENGLAND, N.E.	b, Main-land.	a Balmoral	64	1st	28	3rd	52.9	33.9	42.8	— 0.0	40	23	5	0.38	—	+ 0.14	34.8	—	Crathes S.	
		p Criff	62	1st	30	6th	53.1	36.6	44.4	— 2.5	39	15	5	0.35	—	+ 0.17	44.6	—	Balruddery.	
		a Leith	61	1st	36	6th	53.1	41.0	46.7	— 0.3	37	3	4	0.18	—	+ 0.16	43.7	+ 10.7	Edinburgh.	
		a West Linton	55	1st	30	3rd	48.8	35.0	41.5	— 2.4	19	26	6	0.82	—	—	—	—	West Linton.	
		p Marchmont	65	1st	32	6th	52.7	36.3	44.0	— 0.8	38	16	5	0.26	—	+ 0.27	47.7	+ 11.0	Marchmont.	
		a Alnwick Castle	66	1st	34	3rd	53.8	39.1	46.0	+ 0.3	40	8	5	0.29	—	+ 0.16	37.4	—	Cockle Park.	
3. ENGLAND, E.	b, Main-land.	a Shields	65	1st	35	3rd, 4th	53.6	37.6	45.1	— 1.0	40	12	7	0.52	—	+ 0.16	38.0	— 1.3	Newcastle.	
		p Durham	66	1st	32	3rd	53.1	36.7	44.4	— 1.4	39	15	7	0.35	—	+ 0.03	43.1	+ 8.1	Durham.	
		p Rounton	64	1st	32	3rd	53.0	35.4	43.7	— 2.5	40	18	7	0.63	—	+ 0.29	—	—	—	
		p Scarborough	57	3rd	36	7th	54.6	39.7	46.7	+ 0.1	43	6	4	0.47	—	+ 0.07	45.9	—	Scarborough.	
		p York	65	1st	34	3rd	55.0	38.1	46.0	— 2.4	44	11	6	0.67	—	+ 0.25	37.7	+ 1.7	York.	
		a Spurn Head	56	3rd	38	7th	51.6	40.4	45.7	— 1.7	23	4	5	0.31	—	+ 0.02	—	—	—	
4. MIDLAND COUNTIES.	b, Main-land.	a Lincoln	61	1st	34	3rd	54.6	39.4	46.5	— 1.9	42	7	6	0.56	—	+ 0.13	49.1	—	Skegness.	
		a Fulbeck	60	1st	32	3rd	53.5	39.2	45.9	— 2.4	39	8	6	0.73	—	+ 0.33	47.2	—	Raueby.	
		p Cromer	54	6th	34	5th	50.5	38.5	44.1	— 2.6	29	10	5	1.30	—	—	—	—	Lowestoft.	
		p Hillington	57	3rd	33	5th	53.2	38.3	45.3	— 2.9	39	10	7	1.00	—	+ 0.60	44.4	+ 3.0	Cromer.	
		a Yarmouth	54	6th	36	5th	51.1	40.1	45.3	— 1.9	31	5	5	1.15	—	+ 0.79	54.5	—	Hillington.	
		a Norwich	58	3rd	35	5th	52.6	39.5	45.7	— 2.0	36	7	6	1.20	—	—	—	—	Yarmouth.	
5. ENGLAND, S.E.	b, Main-land.	p Geldeston	56	3rd	34	5th	52.9	39.2	45.7	— 2.4	37	8	6	1.29	—	+ 0.91	44.4	+ 0.4	Geldeston.	
		p Cambridge	57	3rd	34	5th, 7th	54.8	38.3	46.1	— 3.0	44	10	7	0.69	—	+ 0.32	42.4	+ 0.1	Cambridge.	
		a Felixstowe	55	6th	37	3rd, 5th	51.0	40.9	45.7	— 2.5	31	3	6	1.01	—	—	—	—	Felixstowe.	
		a Clacton-on-Sea	55	6th	37	5th	52.0	40.9	46.1	— 1.8	33	3	5	1.11	—	—	41.6	—	Clacton.	
		a Rothamsted	56	1st, 3rd	34	3rd, 5th	53.9	39.2	46.1	— 2.1	40	8	6	0.60	—	+ 0.20	42.3	+ 2.2	Rothamsted.	
		a Shoeburyness	55	6th	37	3rd	52.4	41.4	46.6	— 3.4	35	2	7	0.79	—	+ 0.53	43.1	—	Shoeburyness.	
6. LONDON.	b, Main-land.	p Tottenham	58	3rd	37	3rd	54.5	41.6	47.7	— 1.7	42	1	6	0.76	—	—	45.0	—	Tottenham.	
		a Harrogate	64	1st	34	3, 4, 6, 7th	53.7	37.4	45.1	— 1.3	41	13	7	0.93	—	+ 0.46	52.9	—	Harrogate.	
		a Bawtry	63	1st	32	3rd	50.7	39.3	45.0	— 0.8	50	8	6	0.43	—	+ 0.07	42.1	+ 7.5	Worksop.	
		p Buxton	56	1st	31	3rd	49.7	36.7	42.8	— 1.8	28	15	7	1.53	—	+ 0.86	44.0	—	Buxton.	
		a Nottingham	61	1st	32	3rd	54.3	39.0	46.2	— 2.1	42	8	7	0.64	—	+ 0.26	43.2	—	Nottingham.	
		p Birmingham, Edgbn	59	1st	35	7th	53.2	38.9	45.6	— 2.6	38	9	6	0.45	—	0.00	45.0	—	Birmingham.	
7. ENGLAND, S.W.	b, Main-land.	a Raunds	60	1st, 3rd	31	3rd	55.9	38.4	46.6	— 1.7	47	10	6	0.46	—	—	—	—	—	
		a Oxford	58	1st	36	3rd	55.3	41.0	47.7	— 1.8	44	3	6	0.29	—	+ 0.08	40.4	+ 0.4	Oxford.	
		a Cheadle	54	3rd	35	4th	51.3	38.3	44.4	— 2.6	32	10	5	0.71	—	+ 0.25	47.5	—	Sheffield.	
		p Shrewsbury	60	1st	35	3rd	54.3	39.8	46.6	— 2.4	41	6	6	0.80	—	—	—	—	—	
		a Hereford	61	1st	34	3rd	55.7	40.0	47.4	— 1.8	46	6	4	0.50	—	+ 0.06	—	—	—	
		a Cirencester	57	1st, 7th	33	7th	55.0	39.0	46.5	— 1.2	44	8	6	0.42	—	+ 0.02	44.9	+ 2.9	Cirencester.	
8. ENGLAND, S.W.	b, Main-land.	a Bath	59	1st, 2nd	37	3rd, 4th	55.6	41.6	48.2	— 1.3	45	1	5	0.43	—	+ 0.01	52.5	—	Bath.	
		p Kew	58	3rd	37	3rd	54.8	41.3	47.7	— 1.7	43	2	6	0.66	—	+ 0.31	47.3	+ 6.8	Ramsgate.	
		a Marlborough	58	2nd	33	3rd	54.5	39.1	46.3	— 1.3	42	8	7	0.53	—	+ 0.10	50.9	+ 13.1	Kew.	
		a Margate	55	3rd, 6th	38	5th, 7th	51.7	41.7	46.4	— 2.6	32	1	5	1.07	—	+ 0.75	38.4	— 4.2	Marlborough.	
		a Wisley, Surrey	59	3rd	35	3rd, 5th	55.0	41.2	47.7	— 2.0	43	2	6	0.57	—	—	45.4	—	Margate.	
		a Swaraton	57	3rd	35	3rd	54.2	40.8	47.1	— 0.7	41	3	6	0.37	—	+ 0.08	43.2	—	Wisley.	
9. IRELAND, N.	b, Main-land.	a Tunbridge Wells	55	3rd	35	5th	52.2	39.5	45.5	— 3.0	35	7	6	0.95	—	+ 0.55	42.9	+ 0.4	Worthing.	
		a Dungeness	57	6th	36	5th	52.6	40.1	46.0	— 2.6	36	5	6	0.95	—	+ 0.66	37.8	—	Tunbridge Wells.	
		p Hastings	55	5th, 6th	38	7th	52.8	40.6	46.3	— 2.9	36	4	7	0.92	—	+ 0.56	40.8	— 5.3	Littlestone.	
		p Southampton	60	2nd	36	3rd	57.1	41.7	48.9	— 1.8	50	1	6	0.41	—	+ 0.03	41.8	— 2.6	Hastings.	
		a Ventnor	60	2nd	38	3rd	55.6	43.2	49.0	— 1.4	49	0	6	0.26	—	+ 0.11	45.0	— 2.6	Southampton.	
		a Westminister	57	3rd, 5th	38	5th	55.3	41.4	47.9	— 2.3	44	2	7	0.71	—	+ 0.36	41.4	+ 8.8	Ventnor.	
10. IRELAND, S.	b, Main-land.	a Greenwich	58	3rd, 6th	37	3, 5, 7th	55.3	41.5	48.0	— 1.8	44	1	6	0.72	—	+ 0.40	44.6	+ 6.1	Eastbourne.	
		a Landale	52	2nd	34	6th	48.3	38.7	43.2	— 4.2	22	9	7	1.83	—	+ 1.23	—	—	—	
		a Poltalloch	56	1st	35	6th	49.9	39.4	44.3	— 3.2	27	7	7	0.55	—	+ 0.03	43.4	+ 9.8	Glasgow.	
		p Glasgow	56	1st	36	6th	50.0	39.4	44.4	— 3.3	28	7	7	1.34	—	+ 0.09	—	—	—	
		a Rothsay	55	1st	34	3rd, 6th	49.6	38.1	43.5	— 3.7	27	11	6	1.18	—	—	37.0	—	Kilmarnock.	
		a Kilmarnock	55	1st	34	3rd	50.4	38.9	44.3	— 3.2	29	9	6	1.10	—	+ 0.5				

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	44.0	—	Harrogate	1	28	45.2	44.9	6. Dumfries	1	39	46.1	45.6
1. Aberdeen	—	—	—	43.0	Huddersfield	1	27	46.7	43.9	Douglas	0	36	—	—
Crathes	—	—	—	—	Buxton	2	27	45.2	43.8	Aspatia	0	32	47.8	45.3
Balmoral	5	21	45.3	43.4	Sheffield	5	23	46.8	44.8	Newton Rigg	2	27	46.9	44.5
West Linton	4	24	—	—	Nottingham	2	28	47.3	45.3	Burnley	1	26	44.6	43.7
Marchmont	3	26	—	—	Birmingham	1	24	44.5	45.0	Southport	1	28	49.8	47.9
Cockle Park	2	28	45.1	—	Oxford	1	27	—	—	Manchester City	0	37	45.7	46.0
Durham	2	29	44.2	43.7	Hereford	4	23	47.1	46.2	Bettws-y-Coed	0	34	46.3	46.0
York	—	—	46.8	45.4	Cirencester	2	29	49.7	48.1	Llangammarch Wells	3	22	47.2	46.1
Hull	1	26	46.4	45.0	Bath	—	—	—	—	Cardiff	3	27	48.2	47.1
Lincoln	—	—	45.9	45.0	Margate	0	33	47.6	47.1	Clifton	0	35	—	—
Raueby	1	26	48.5	46.3	Greenwich	1	28	—	—	Plymouth	0	31	50.4	—
Norwich	2	30	—	—	Westminster	0	31	—	—	Armagh	1	30	49.1	47.0
Yarmouth	—	—	49.1	49.0	Kew	2	27	49.0	47.7	Markree	1	28	49.6	47.4
Lowestoft	0	33	48.7	47.5	Canterbury	0	33	47.4	48.1	Dublin, Trin. Coll. ..	0	31	49.0	47.9
Cambridge	5	23	48.9	48.0	Tunbridge Wells	2	28	49.0	—	Guernsey, Brooklyn	0	37	51.3	50.0
Clacton-on-Sea	0	32	48.4	48.7	Wisley	2	28	48.5	47.8					
Southend	1	30	48.9	—	Worthing	0	34	50.5	48.6					
Tottenham	0	32	—	47.6	Portsmouth	1	30	50.7	49.7					
					Glasgow	1	30	—	—					
					Rothsay	—	—	—	44.9					
					Colmonell	0	32	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	45	45	45.0	SCOTLAND, W.	Lamlash	45	45	45.0
	Kirkwall	42	41	41.7		Ballantrae	46	44	45.2
	Wick	45	44	44.6	ENGLAND, N.W.	Port Erin	48	46	46.4
	Cromarty	49	43	45.7		Newquay	50	49	49.4
SCOTLAND, E.	Pennan Bay	47	43	45.0	ENGLAND, S.W.	Scilly	53	50	50.9
	Aberdeen, Cove Bay	47	44	46.1		Plymouth†	50	50	49.8
ENGLAND, N.E.	Burnmouth, Berwick	44	42	43.2		Salcombe	51	47	49.1
	Scarborough	46	43	44.5	IRELAND, N.W.	Sheephaven	48	47	47.7
ENGLAND, E.	Shipwash Lightship	49	47	47.5		Teelin	51	47	48.8
	Margate†	51	49	49.1	IRELAND, S.W.	Cleggan	50	45	47.6
ENGLAND, S.E.	Eastbourne†	49	49	49.0	IRELAND, E.	Seafeld	53	48	49.9

† Only one observation each day.

PILOT BALLOON ASCENTS.

Wind Direction (in Degrees, 90° = E, 180° = S, 270° = W, 360° = N) and Velocity, Metres per Second.																						
No.	Date, 1910.	Station.	Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.	7,000 metres.	8,000 metres.	9,000 metres.	10,000 metres.	11,000 metres.	12,000 metres.	13,000 metres.
1	Mar. 14th, 11.50 a.m.	Pyrton Hill, Oxon.	240°, 6	235°, 10	220°, 5	205°, 15																
2	Mar. 14th, 2.50 p.m.	Pyrton Hill, Oxon.	225°, 6	220°, 8	215°, 7	210°, 7	205°, 6	202°, 6	200°, 11	205°, 13	210°, 13	210°, 13	215°, 12									
3	Mar. 16th, 9.30 a.m.	Pyrton Hill, Oxon.	255°, 5	360°, 10	270°, 12	275°, 10	270°, 9	275°, 9	286°, 7	285°, 8	290°, 10	300°, 8	315°, 9	325°, 10	335°, 10	335°, 13	335°, 13	340°, 13	345°, 16	359°, 20	360°, 20	355°, 22
																			14,000 metres.	15,000 metres.	16,000 metres.	17,000 metres.
4	May 7th, 6.45 p.m.	Cambridge.	255°, 7	260°, 14	275°, 13	275°, 13													300°, 20	360°, 19	358°, 18	355°, 20

NOTES.—1. Pilot balloon. Ascensional velocity of 2.0 m. p. s. assumed.
 2. Pilot balloon. Ascensional velocity 3.5 m. p. s. assumed.
 3. Registering balloon. Ascensional velocity 3.75 m. p. s. Lost to sight, probably by bursting, after 74 minutes.
 4. Pilot balloon. Ascensional velocity 2.3 m. p. s. assumed.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Sunday, 1st May, 1910.

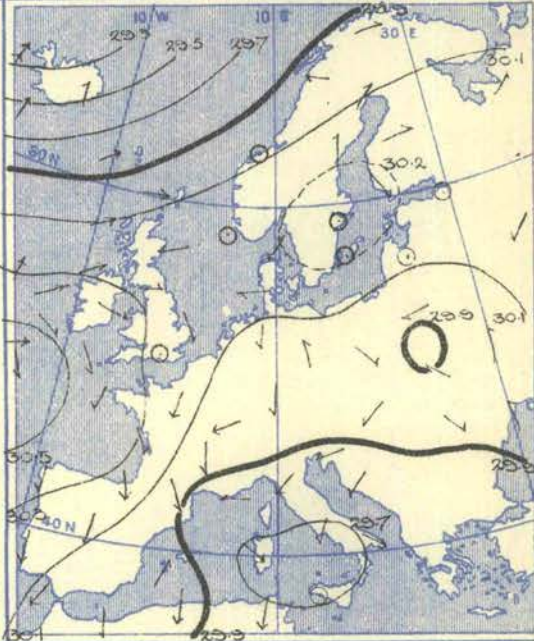
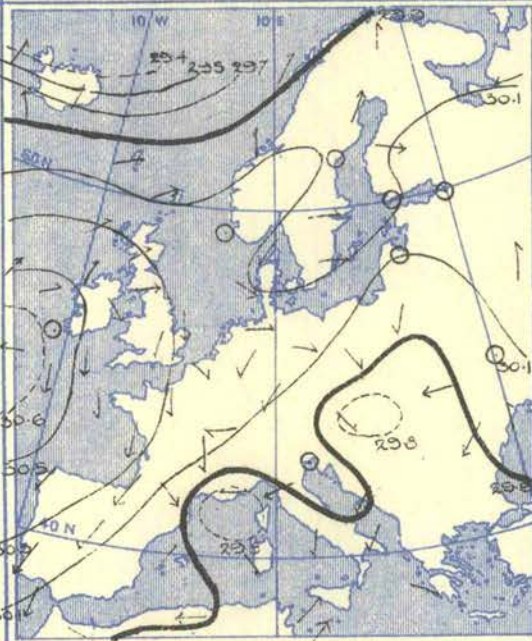
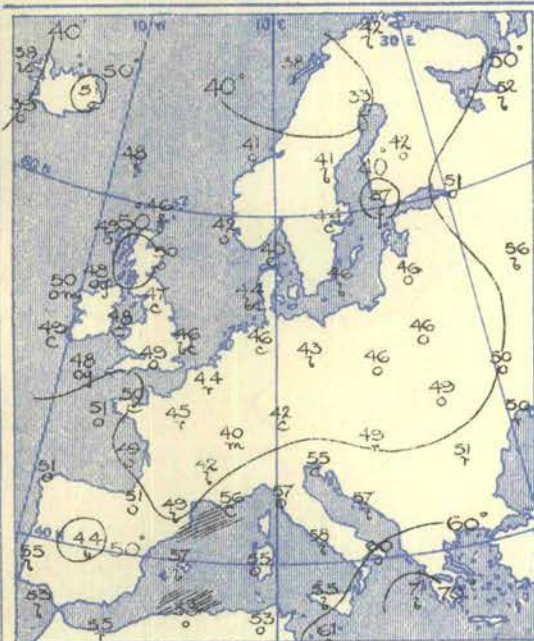
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright in the Spanish Peninsula, the south of France, and in a few other localities, but very cloudy or overcast generally, with rain in places both in the north and south of our area. Some rain later in most parts of the United Kingdom, and also over a large area on the Continent and in Algeria; more than 0.5 in. at several southern stations, and 1.2 in. at Palermo and Nemours.

Temperature risen over these Islands and their vicinity. Morning readings ranging from 71° at Patras and about 60° at some other places in the south to below 50° over the central regions of the Continent and at most of our own stations, and to below 40° in the north of Scandinavia. Maxima during day 66° at Aberdeen, 65° at Wick and North Shields, and about 60° in some other parts of these Islands. No higher than about 50° in Germany and the Low Countries, but above 60° very generally over southern Europe, as high as 70° at Florence, and 72° at Bucharest.

Wind in morning strong to a gale from the Southward in Iceland, light to moderate from the Westward in the north of these Islands, and from the Northward in the south and over France and the Spanish Peninsula. Light to moderate cyclonic circulations prevailing over Hungary and the Mediterranean. No change of importance occurring during day.

Barometer in morning above 30.5 ins. in a large anticyclonic system extending over Ireland from the Atlantic; below 29.6 ins. in a depression centred to the northward of Iceland, and below 29.8 ins. in two other disturbances situated respectively over Hungary and Corsica. Little change taking place in the general distribution later; pressure giving way over these Islands and the surrounding regions, and a small secondary high pressure system forming over the south of Sweden.

Monday, 2nd May, 1910.

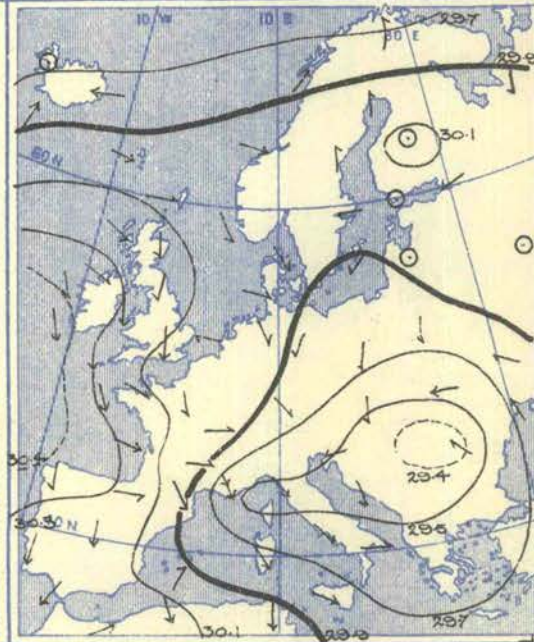
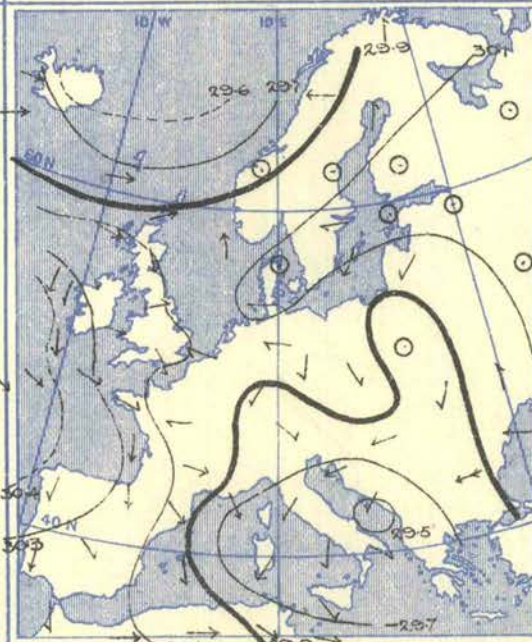
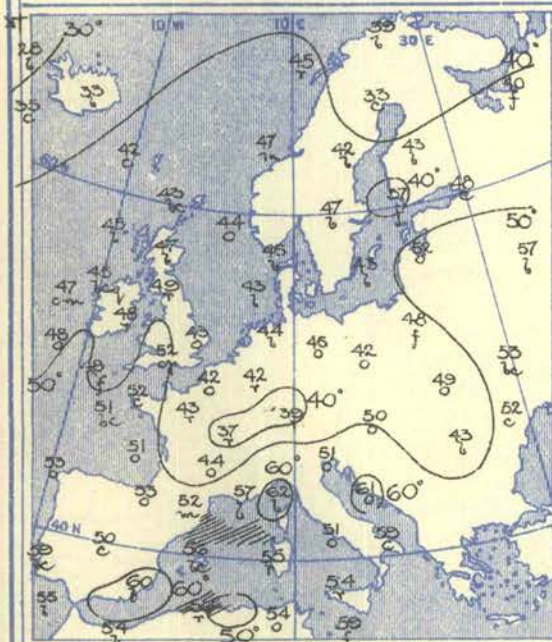
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning dull and rainy over a large portion of England, France, and Germany, as well as at a few stations on the shores of the Mediterranean; fair to fine and bright in almost all other regions, but rain falling at Bodø. Rain in various amounts later in many parts of this country and over the southern half of Europe; nearly 2 inches at Vienna, 1.4 in. at Buda-Pesth, about an inch at Hermannstadt and Toulouse, and a considerable quantity in Italy.

Temperature low for time of year generally. Morning readings ranging from about 60° at a few places in the far south of our area to below 50° over the major portion of Europe, and to below 40° in the extreme north. Maxima during day below 50° at some stations on the coasts of Kent and Lincoln, but about 60° at Harrogate and on the south coast. Thermometer rising to 70° or slightly higher at a few places in the far south of our area and to 63° at St. Petersburg, but only touching 48° at Vienna and 47° at Lyons.

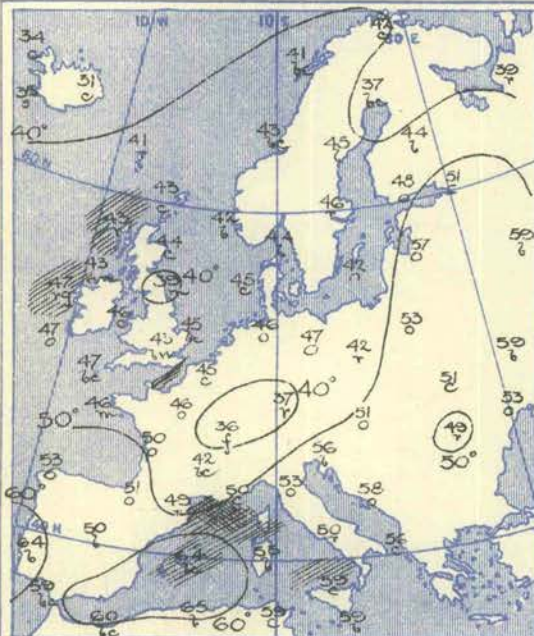
Wind in morning mainly Northerly to North-Westerly over these Islands, but Easterly on the coast of East Anglia. A fairly well marked cyclonic circulation prevailing over Italy and the surrounding regions, but force light or moderate. A Westerly gale blowing at Seydisfjord. Increasing in force from North-West and West later over the Mediterranean, reaching the force of a high wind in places and of a gale at Cape Sicile.

Barometer in morning ranging from above 30.3 ins. over the west of Ireland and the Bay of Biscay region to below 29.6 ins. in a large depression in the far north of our area, and to below 29.5 ins. in a disturbance centred over the Adriatic. Relatively high in a band extending from Northern Russia to Denmark. Southern depression undergoing considerable modification in form and intensity during day, but main depression in the far north apparently travelling away north-eastward. A small disturbance over the south-east of England and the adjacent portion of the Continent remaining almost stationary.

Tuesday, 3rd May, 1910.

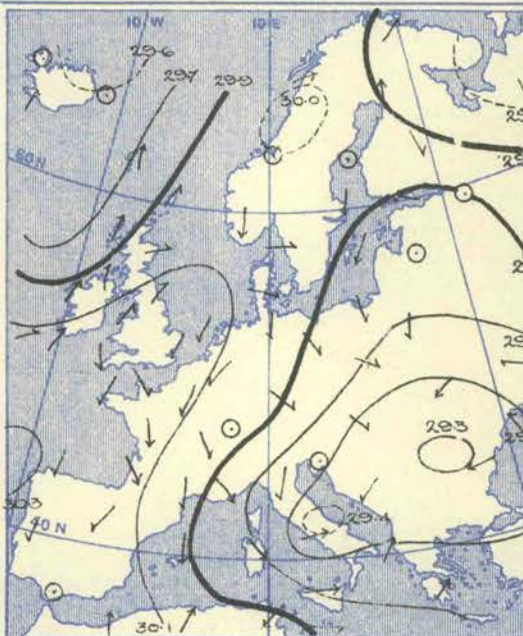
Temperature and Weather.

7 a.m.

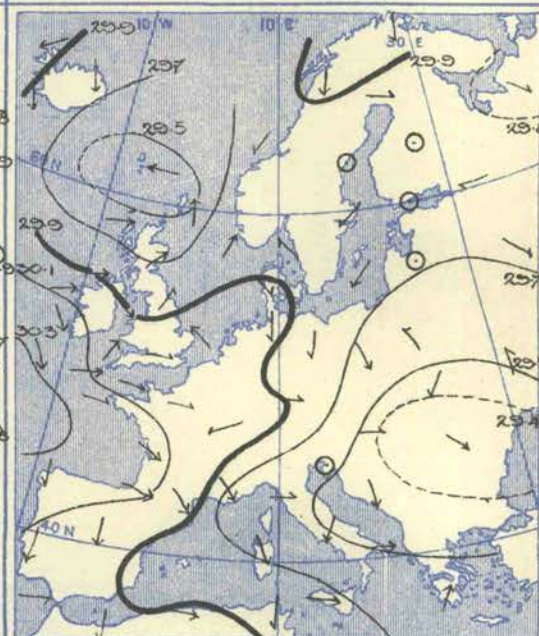


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the north-west of these Islands and also in places over a large area in central and southern Europe. Fair to fine and bright in most other regions, but overcast in places, and rain falling at Archangel and Stockholm. Rain extending later to all parts of the United Kingdom and the north of France, and a considerable amount falling in some localities in central Europe, as well as at a few stations in Italy.

Temperature risen in Algeria, fallen in most other regions. Morning readings ranging from above 60° at some places in the Mediterranean region to below 50° over these Islands and most of the mainland of the Continent, and to below 40° in some widely separated patches. Maxima during day 75° at Madrid, 72° at Algiers, and about 70° at many southern stations. Not much above 50° in central Europe, but 66° at Berlin and 70° at Memel. Thermometer remaining below 50° in the north-east of Great Britain, but touching 57° in the south of England.

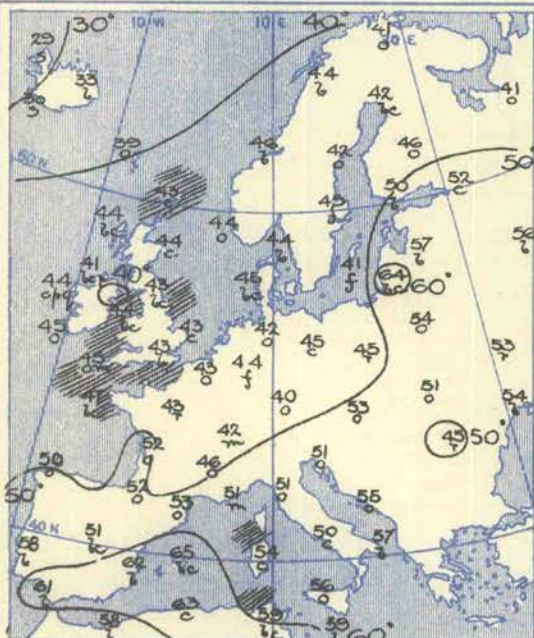
Wind in morning high from the South-Westward at Stornoway, and light to fresh from that direction in the west and north of these Islands generally. Two separate cyclonic circulations prevailing over the south and south-east of our area. Westerly and North-Westerly currents blowing very strongly on various shores of the Mediterranean. Veering to between North and West later in the west of these Islands, and backing to the South-Westward in the east and south-east. Increasing to a strong gale at night at Malin Head and Scilly. Increasing considerably in force from the Northward at some places in central Europe, and continuing strong on the Mediterranean.

Barometer in morning ranging from above 30.2 ins. over the Bay of Biscay and the south-west of these Islands to below 29.7 ins. in a depression over the Icelandic region, and in another over the White Sea, to less than 29.4 ins. in a large system centred over Italy, and to a rather low figure in another minimum over Transylvania. A large minimum centred off the north-west of Scotland by evening, and a "V-shaped" secondary passing across England and Scotland. Disturbances in the south and south-east of our area undergoing considerable modification in form.

Wednesday, 4th May, 1910.

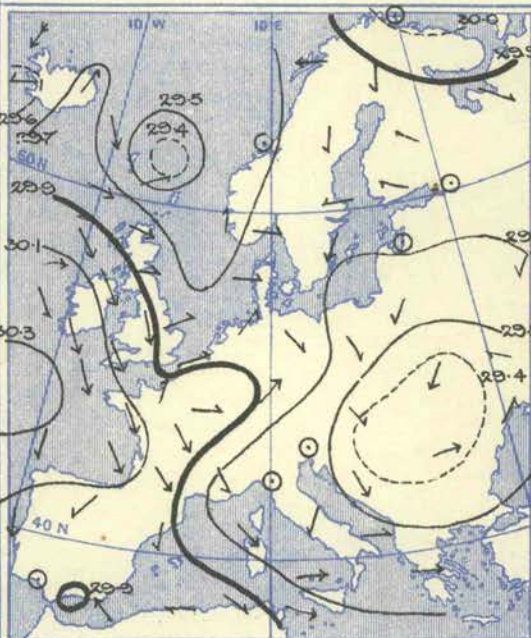
Temperature and Weather.

7 a.m.

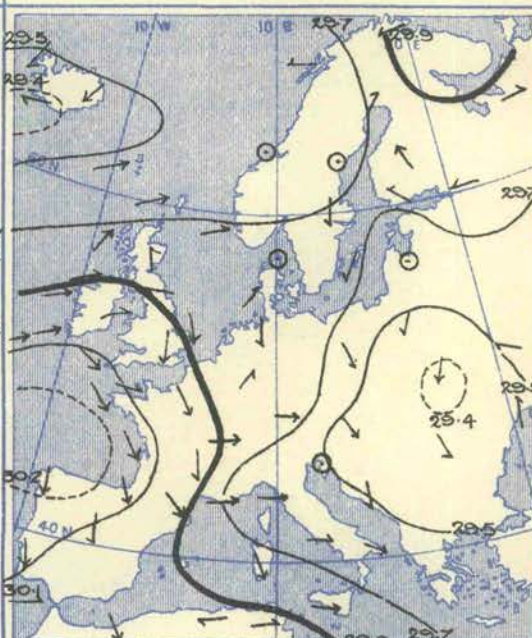


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning showery or rainy in central Europe and in many parts of France and the United Kingdom, but fair to fine and bright in most other regions. Showers of rain and hail yesterday over the United Kingdom, and heavy rain in various parts of central Europe and in the south of Russia. Thunder and lightning at Clacton-on-Sea.

Temperature changed little and rather irregularly. Morning readings above 60° at several stations on the shores of the Mediterranean; below 50° in nearly all places in north-western, western, and extreme northern Europe; lowest readings, 39° at Donaghadee and 36° at Uleaborg. Maxima during day not much above 50° in any part of the United Kingdom, and below 50° at Vienna and Prague, but as high as 74° at Memel, and about 70° over a considerable portion of the Mediterranean region and in Portugal.

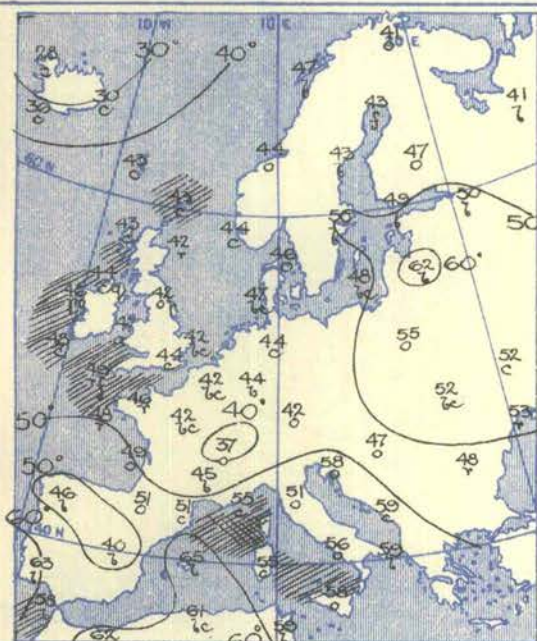
Wind in morning showing several complete or partial cyclonic circulations. North-Westerly current blowing a gale at Scilly, a high wind at Holyhead, and a fresh to strong breeze in many other parts of these Islands. A strong Southerly breeze prevailing at Skudesnaes and a high wind from West-South-West at Sumburgh Head. Fresh or strong breezes from various quarters prevalent in the south of our area, and a gale from North-North-East in the north-west of Iceland. Backing to the South-Westward later in the west and north-west of these Islands; decreasing in force in most places.

Barometer in morning ranging from above 30.2 ins. over the Bay of Biscay to below 29.4 ins. in a depression centred over Transylvania and in another near Shetland. A "V-shaped" secondary lying over the North Sea and the Netherlands, and a shallow disturbance over Corsica and its vicinity. Barometer falling during day over the Icelandic region and in the west and north-west of this country, and another minimum of considerable importance appearing in the far north-west of our area.

Thursday, 5th May, 1910.

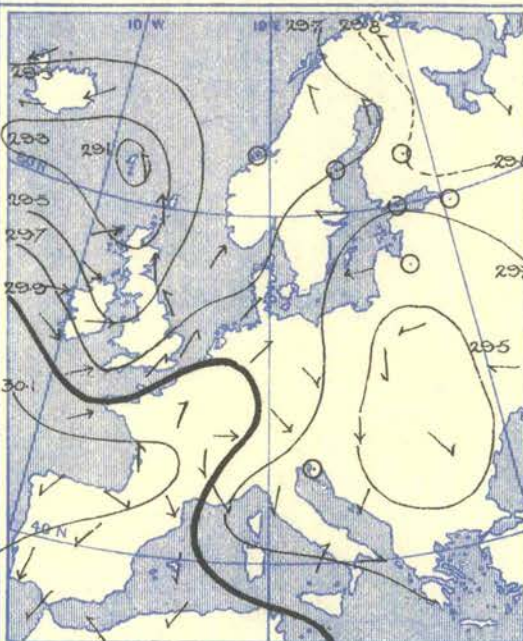
Temperature and Weather.

7 a.m.

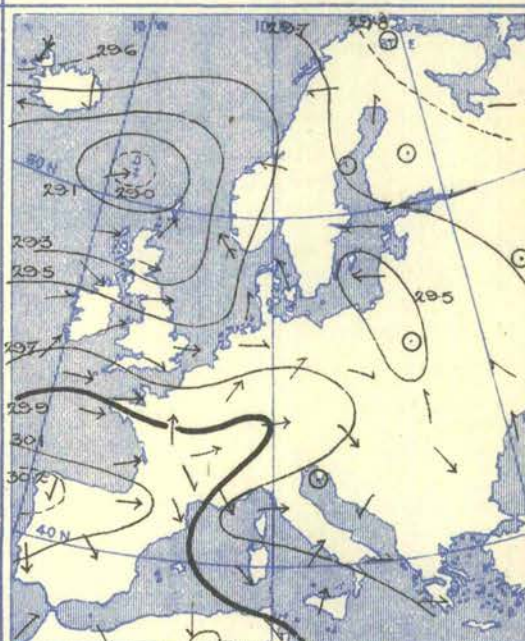


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy over the eastern half of these Islands; overcast over a large portion of the Continent, with rain in places in the central countries and also at Odessa. Fine and bright over the Spanish Peninsula and over the greater portion of Scandinavia. More or less precipitation later over the United Kingdom and at numerous stations on the Continent.

Temperature showing no decided change. Morning readings ranging from 66° at Memel and above 60° at many places on the shores of the Mediterranean to below 50° over the greater part of our area, and to below 40° at Limoges and Belfort. Rising later to about 55° in some parts of England, Holland, and Hungary, but remaining below 50° at Prague and Vienna. Maximum 77° at Memel and Madrid, and about 70° at several stations in the far south of our area, as well as at St. Petersburg.

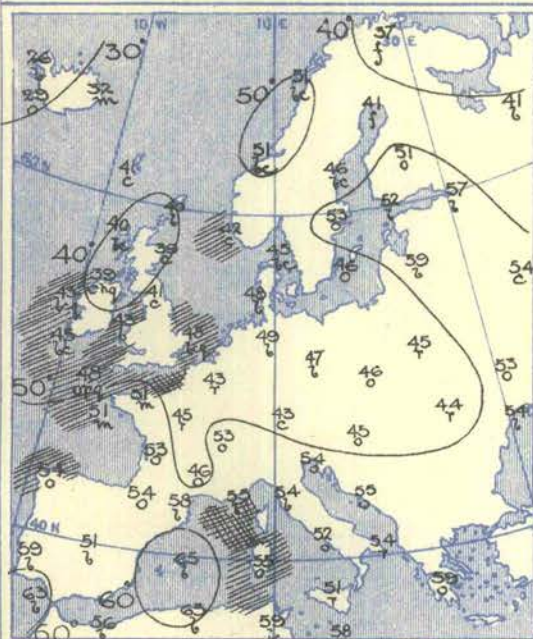
Wind in morning anticyclonic in the extreme south-west of our area, but cyclonic generally. North-Westerly current fresh to high in the west of these Islands, and that from the Southward moderate over the east of Great Britain and the North Sea. Strong to high North-Westerly winds prevailing at some places on the Mediterranean. Veering to the Westward later in the east of this country, but backing in Ireland. Increasing to a gale from the Southward at Skudesnaes and from the Northward at Isafjord.

Barometer in morning ranging from above 30.1 ins. over the north of Spain to below 29.5 ins. in a large depression of little depth over the eastern portion of Europe, and to below 29.1 ins. in a disturbance having its centre near Thorshavn. Gradient very steep over the south-east of France. Latter system growing deeper during day without changing its position; a "V-shaped" depression passing eastward over these Islands to the North Sea. Pressure beginning to rise again in Iceland, but falling in the west of Ireland.

Friday, 6th May, 1910.

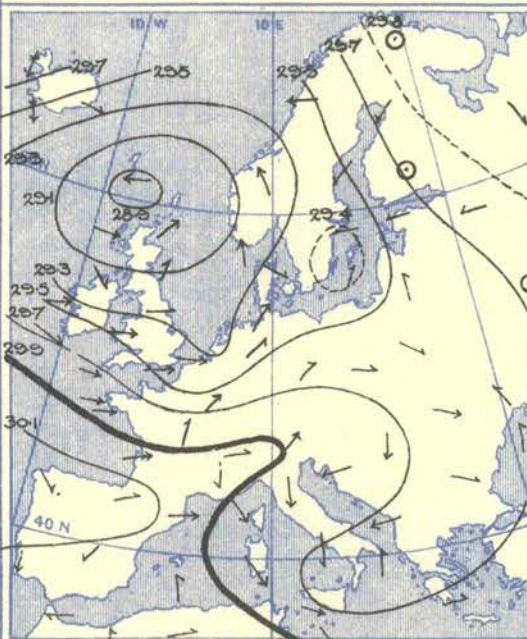
Temperature and Weather.

7 a.m.

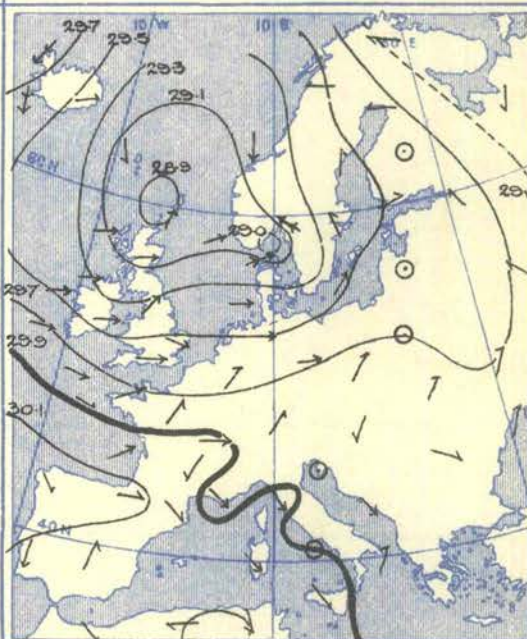


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning varying a good deal; fair to fine in most regions, but overcast in places, with showers or steady rain at some of our own stations and in some localities on the Continent. Showers of rain and hail later in nearly all parts of these Islands, with thunderstorms at some stations. More or less precipitation experienced in places scattered over the northern half of the Continent, and also at Bucharest and Athens.

Temperature continuing low over all the western and southern countries. Readings in morning ranging from 65° at Palma and 63° at San Fernando and Algiers to below 50° over these Islands and a large portion of the Continent, and to below 40° in Scotland. Maxima during day below 50° at many of our northern stations and below 55° in nearly all parts of the Kingdom; thermometer rising to 79° at San Fernando, 73° at some Algerian stations and also at St. Petersburg, and above 65° over a large area in the south, but remaining below 60° in central Europe, and below 55° in places.

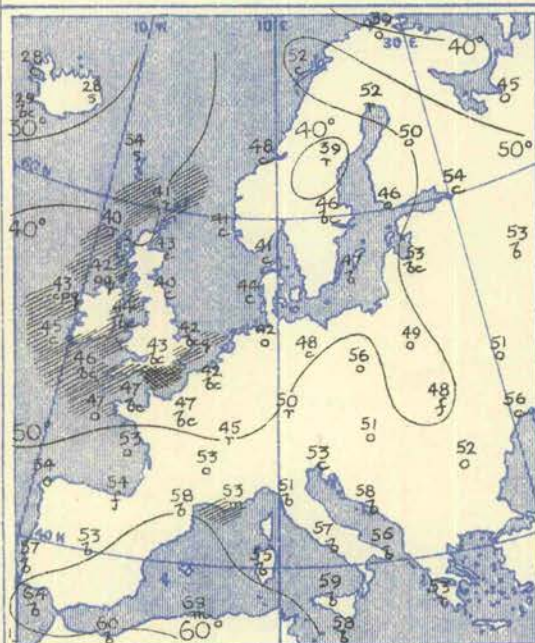
Wind in morning cyclonic except in the south-west of our area, the chief circulation being over these Islands and the north-west quarter of Europe. Northerly current blowing a strong gale in the west of Iceland, and that from the Westward strong to a high wind over this country, with a gale at Holyhead; Southerly current prevailing over the Netherlands and the North Sea region, strong or high. A high wind from North-West blowing at Cape Sicié and Cagliari, and a fresh wind from that direction at Malta. Continuing strong to high over these Islands throughout the day, and increasing to a gale over the Skager Rack.

Barometer in morning above 30.1 ins. over the north of Spain; below 29.9 ins. in a large depression having its minimum near Thorshavn, and relatively low both in the north-east and south-east of Europe, and also in a secondary "V-shaped" system over the North Sea. Centre of main disturbance moving slightly south-eastward during day, but little change occurring in the general distribution of pressure. Gradient becoming rather steeper over these Islands and the North Sea.

Saturday, 7th May, 1910.

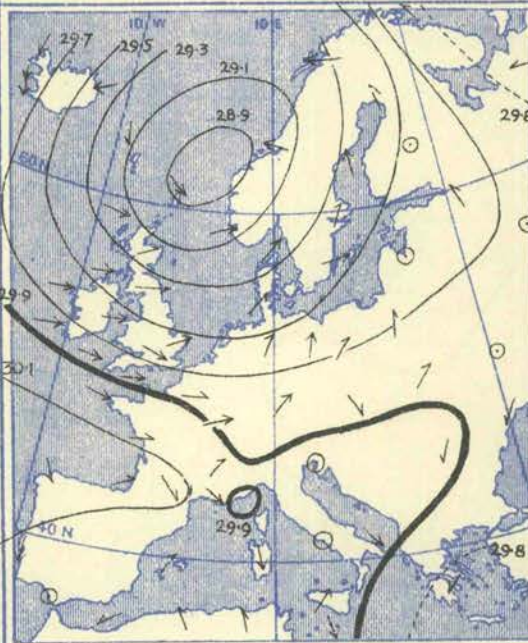
Temperature and Weather.

7 a.m.

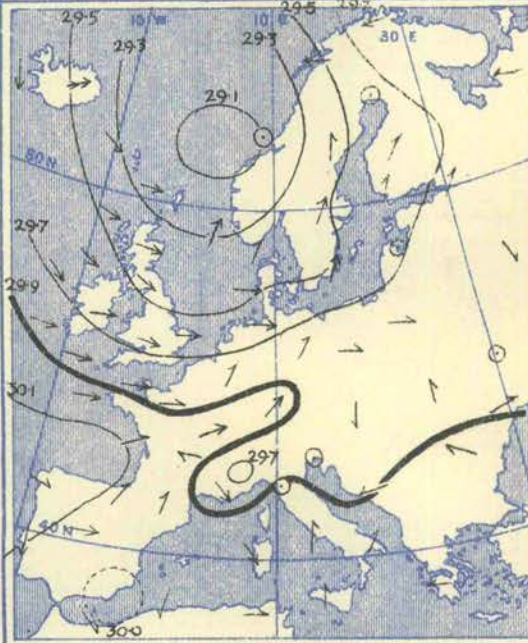


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning showery or rainy at a few stations in these Islands, France, Western Germany, and Scandinavia; fair to fine and bright over the greater portion of our area; snow falling over Iceland. Showers of rain, sleet, and hail very general over these Islands later, with thunderstorms in several places. Various quantities of rain experienced over the greater portion of the Continent, but weather remaining dry in the most southern regions; largest measurement, 1·2 in. at Berne.

Temperature changed irregularly. Morning readings ranging from 69° at Algiers and 65° at Palma to below 50° over the whole of the United Kingdom, Denmark, and most of Germany and France, and to less than 40° in the north of Scotland, at Hernösand, and Vardö. Maxima during day slightly above 50° in many parts of this country, but below it at several stations in the north and north-east; thermometer rising to above 70° in the Spanish Peninsula and Algeria, and touching 82° at Madrid.

Wind in morning circulating cyclonically over the major portion of our area; fresh to strong or high from the Westward over these Islands, moderate to strong from South-West in central Europe, light or moderate from the South-Eastward in Scandinavia, and strong to a gale from the Northward in Iceland. Variable winds prevailing on the Mediterranean, light or moderate generally, but high from South-West at Palermo and from North-West at Cape Sicé. Increasing in force during day in several parts of these Islands, but little general change.

Barometer in morning ranging from above 30·1 in. over the northern half of the Spanish Peninsula to below 28·9 in. in a large depression with its minimum between Shetland and Norway. Relatively low in a depression off the south of France, and in another system over Greece. Pressure increasing briskly later in Scotland and depression between that country and Norway becoming less deep. Some considerable modification locally in the height of the barometer but no great change taking place in the general distribution of pressure.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.	Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. May 1st, 10.10 a.m. to 11.20 a.m.	Brighton, 115 m.	Temperature Humidity Wind ..	288° 80% 20°, 7	284° 80% 20°, —	280° 90% 30°, —	276° 100% 30°, —			Metres. 1,000	Overcast. Stratus at 750 m. Anemometer pen failed. Light wind.
2	May 5th, 3.45 p.m. to 4.55 p.m.	Brighton, 115 m.	Temperature Humidity Wind ..	285° 70% 290°, 7	284° 70% 310°, 14	281° 80% 320°, 15	277° 90% 320°, 16			1,100	Ground wind veered from 270° to 310°, 8 during ascent. Strong wind and heavy rain in the morning. Alt.-St. and Alt.-Cu. Clouds not reached. Hail showers at noon and 2.0 p.m. Upper wind steady, but the surface wind varied from mainly calm to a high wind during the ascent.
3	May 4th, 3.12 p.m. to 5.10 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	281·5° 70% 290°, —	280·5° 70% 290°, 14	278° 75% 310°, 17	274·5° 85% 320°, 17			1,300	
4	May 5th, 3.9 p.m. to 4.10 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	283° 70% 290°, —	282° 70% 290°, 16	279·6° 80% 280°, 17	277° 90% 290°, 17			1,200	Clouds not reached. Surface wind subject to great variations.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4
No. of Kites ..	1	1	1	1
Area of Surface (metres) ..	7	7	6	4
Length of Wire (metres) ..	1,300	1,230	1,500	1,500

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER-LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 19.
Vol. XXVII. (New Series.)

NINETEENTH WEEK, SUNDAY, MAY 8TH, TO SATURDAY, MAY 14TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—The conditions upon the whole were very changeable, showers of rain and hail, and in some places sleet, alternating with periods of clear sky. By the end of the week, however, a general improvement had taken place. Thunderstorms occurred in some parts of the Kingdom every day. They were more common in England than elsewhere, especially on Thursday.

Temperature was again below the average, the difference being rather more than 3° in England S.E. and S.W. and nearly 4° in the English Channel. The highest of the maxima occurred very generally on the 14th, and ranged from 71° in the Midland Counties and 70° in England S.E. and Scotland W. to 63° in Ireland S. and to 57° in the English Channel. The lowest of the minima, which were generally recorded on the 9th or 10th, varied from 22° in Scotland E. and 26° in Scotland W. and the Midland Counties to 32° in Ireland and to 39° in the English Channel. The lowest grass minima were 18° at Cambridge, 19° at Hereford, 20° at Birmingham, Raunceby and Llangammarch Wells and 21° at some stations in the north-west and north.

Mean Temperature of the Sea. At all the stations except Lerwick and Burnmouth the water was colder than during the corresponding week of last year, the difference being as much as 7° at Cleggan and considerable in the south-west generally. The figures ranged from 51° at Newquay and about 50° in various other parts of our south-west coast and at Margate, to less than 44° at Burnmouth.

Rainfall varied greatly in amount, in some districts being more than the average, and in others less. As a rule places in the east and south-east experienced a heavier fall than those in the north and north-west.

Bright Sunshine exceeded the average in all districts except Ireland S. and the English Channel, the excess being rather large in most parts of England and also in the West of Scotland. The percentage of the possible duration ranged from 61 in England E., and 60 in England N.E. and N.W. to 41 in Ireland N. and to 30 in Ireland S.

Barometer and Wind.—During the early days of the week the barometer was highest to the south-westward and lowest to the north-eastward of these Islands, the resulting North-Westerly and Westerly winds being sometimes fresh to high in force. During Tuesday a well-marked depression travelled with great rapidity north-westward from Denmark to the Arctic Sea, and in its rear the barometer over Scandinavia rose very quickly. From Wednesday until the end of the period the highest pressure lay over northern Europe while a depression that moved in a north westerly and westerly direction over France and the Channel to the Atlantic produced rather steep gradients over the south and east of these Islands. The North-Easterly and Easterly winds which were experienced over England were very strong in several localities, reaching the force of a high wind at times or blowing a gale for a brief period on some exposed parts of the coast.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 156.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			O. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.
Comparison with average for the time of year	Warmth	...	Moderate	Moderate	Moderate	Deficient	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Deficient	Very deficient
	Rainfall	...	Moderate	Moderate	Heavy	Heavy	Moderate	Moderate	Light	Light	Moderate	Moderate	Moderate	Heavy
	Sunshine	...	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate	Moderate	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 10 weeks from March 6th, 1910.	{	Warmth ...	3 * 4	2 * 3.	4 * 1	2 * 3	3 * 5	2 * 6	2 * 3	2 * 2	1 * 5	2 * 4	1 * 4	1 * 4
		Rainfall ...	4 * 3	2 * 2	3 * 3	6 * 2	3 * 3	4 * 3	4 * 4	3 * 4	1 * 3	3 * 3	4 * 3	3 * 2
		Sunshine ...	5 * 1	3 * 1	2 * 3	4 * 3	5 * 3	4 * 4	3 * 3	3 * 2	3 * 2	2 * 4	2 * 4	4 * 5

PAST SEASONS.

SPRING, 1909. Mar. 7th–June 5th. 13 weeks.	Warmth ...	4*3	5*7	6*2	4*1	6*2	3*4	6*1	6*3	4*4	6*2	4*4	5*1
		3*5	8*2	7*5	7*4	6*4	6*3	5*4	6*5	5*4	5*4	6*4	5*4
		2*2	3*4	4*5	5*5	6*4	6*4	5*4	7*4	6*4	5*5	6*3	5*5
		2*2	3*4	4*5	5*5	6*4	6*4	5*4	7*4	6*4	5*5	6*3	5*5
SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1*7	1*8	2*7	2*9	2*7	2*10	1*7	1*8	2*7	1*5	1*4	2*8
		3*5	2*6	5*6	5*3	4*4	5*5	4*4	5*4	4*6	1*5	1*9	2*7
		5*3	4*3	1*7	3*6	3*6	4*7	2*4	3*6	4*5	3*5	4*5	4*4
		5*3	4*3	1*7	3*6	3*6	4*7	2*4	3*6	4*5	3*5	4*5	4*4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2*6	3*5	2*6	4*5	4*5	3*6	3*7	3*6	3*6	4*7	4*6	3*5
		5*7	5*4	1*4	3*1	3*4	5*4	4*5	4*6	4*5	4*7	5*8	5*5
		5*2	5*3	3*5	2*6	2*5	3*2	5*5	5*2	4*4	5*2	5*2	4*5
		5*2	5*3	3*5	2*6	2*5	3*2	5*5	5*2	4*4	5*2	5*2	4*5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1*5	2*4	3*4	4*2	3*2	5*4	3*4	5*3	4*4	3*6	2*6	4*4
		4*2	5*2	5*2	6*1	7*2	5*2	6*1	7*1	7*2	6*3	6*3	5*3
		10*2	6*0	4*2	7*2	8*2	8*2	5*1	8*0	6*1	4*4	4*1	3*3
		10*2	6*0	4*2	7*2	8*2	8*2	5*1	8*0	6*1	4*4	4*1	3*3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

NINETEENTH WEEK—May 8th to May 14th, 1910.																	
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.		
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)							
0. SCOTLAND, NORTH	69	31	54·6	37·8	45·7	- 0·9	44	+ 2	12	+ 5	3	- 1	0·37	- 0·29	50	+ 13	45
Eastern																	
1. SCOTLAND, EAST	65	22	53·7	36·0	44·3	- 2·7	41	- 6	17	+ 9	4	+ 1	0·57	+ 0·10	48	+ 7	44
2. ENGLAND, N.E.	67	31	55·2	38·7	46·4	- 1·3	45	0	9	+ 5	4	+ 1	0·63	+ 0·21	64	+ 20	60
3. ENGLAND, EAST	69	28	56·0	39·6	47·3	- 2·2	47	- 11	7	+ 3	4	+ 1	0·84	+ 0·45	65	+ 19	61
4. MIDLAND COUNTIES	71	26	57·8	37·2	46·9	- 2·5	54	- 6	13	+ 8	4	+ 1	0·40	- 0·01	52	+ 10	49
5. ENGLAND, S.E.	70	27	56·0	39·3	47·1	- 3·7	47	- 17	8	+ 6	5	+ 2	0·59	+ 0·25	49	+ 2	47
Western																	
6. SCOTLAND, WEST	70	26	57·1	38·0	46·9	- 1·6	51	- 2	11	+ 8	3	- 1	0·31	- 0·34	58	+ 15	54
7. ENGLAND, N.W.	67	30	55·7	39·3	47·0	- 2·1	46	- 7	8	+ 6	3	0	0·22	- 0·27	64	+ 20	60
8. ENGLAND, S.W.	68	27	55·0	40·0	47·1	- 3·1	44	- 16	6	+ 5	5	+ 3	0·50	+ 0·04	50	+ 3	48
9. IRELAND, NORTH	65	32	53·7	40·1	46·5	- 2·5	39	- 14	5	+ 3	4	0	0·41	- 0·14	44	+ 3	41
10. IRELAND, SOUTH	63	32	54·3	41·7	47·7	- 2·8	41	- 20	1	0	6	+ 3	0·73	+ 0·20	32	- 13	30
11. ENGLISH CHANNEL	57	39	53·5	43·2	48·0	- 3·8	42	- 26	0	0	5	+ 2	0·75	+ 0·40	46	- 11	45
THE SEASON (Spring).—Aggregates, &c., for the Period of 10 Weeks, March 6th to May 14th, 1910.																	
0. SCOTLAND, NORTH	69	20	*	*	*	*	211	- 19	208	- 5	50	+ 4	11·23	+ 3·10	299	+ 10	52
Eastern																	
1. SCOTLAND, EAST	66	22	*	*	*	*	265	- 20	225	- 5	38	0	5·71	+ 0·93	333	+ 19	36
2. ENGLAND, N.E.	67	24	*	*	*	*	324	+ 39	153	- 17	36	+ 1	3·67	- 0·21	345	+ 4	37
3. ENGLAND, EAST	69	21	*	*	*	*	345	- 25	144	- 34	36	+ 3	4·71	+ 1·09	373	+ 22	41
4. MIDLAND COUNTIES	71	23	*	*	*	*	358	- 25	135	- 5	36	+ 4	3·89	- 0·23	338	+ 19	37
5. ENGLAND, S.E.	70	22	*	*	*	*	350	- 45	116	- 5	38	+ 7	4·65	+ 0·80	366	+ 14	40
Western																	
6. SCOTLAND, WEST	70	26	*	*	*	*	284	- 17	141	- 16	43	+ 4	6·75	- 0·31	332	+ 4	36
7. ENGLAND, N.W.	67	23	*	*	*	*	285	- 29	119	- 14	41	+ 5	5·07	- 0·03	347	+ 29	38
8. ENGLAND, S.W.	68	20	*	*	*	*	324	- 53	99	- 1	37	+ 2	4·57	- 1·04	330	+ 23	41
9. IRELAND, NORTH	65	26	*	*	*	*	297	- 33	118	- 8	46	+ 4	5·74	- 0·06	298	- 12	32
10. IRELAND, SOUTH	64	25	*	*	*	*	357	- 43	86	- 7	46	+ 8	6·09	- 0·18	311	- 34	34
11. ENGLISH CHANNEL	60	31	*	*	*	*	410	- 32	21	- 9	35	- 2	4·59	- 0·03	432	+ 6	47
THE YEAR.—Aggregates, &c., for the Period of 19 Weeks, January 2nd to May 14th, 1910.																	
0. SCOTLAND, NORTH	69	2	*	*	*	*	259	- 31	595	+ 52	102	+ 10	22·93	+ 3·84	420	+ 43	29
Eastern																	
1. SCOTLAND, EAST	66	-10	*	*	*	*	323	- 30	634	+ 27	81	+ 8	11·75	+ 1·98	486	+ 48	33
2. ENGLAND, N.E.	67	6	*	*	*	*	408	+ 43	454	- 17	77	+ 9	8·09	+ 0·82	502	+ 35	34
3. ENGLAND, EAST	69	17	*	*	*	*	465	+ 5	333	- 124	76	+ 9	9·06	+ 2·07	559	+ 63	38
4. MIDLAND COUNTIES	71	10	*	*	*	*	465	- 22	474	- 52	78	+ 13	9·07	+ 0·86	507	+ 69	34
5. ENGLAND, S.E.	70	13	*	*	*	*	489	- 24	294	- 86	81	+ 18	10·83	+ 2·53	551	+ 65	37
Western																	
6. SCOTLAND, WEST	70	0	*	*	*	*	371	- 19	432	+ 13	90	+ 11	18·07	+ 2·16	462	+ 23	31
7. ENGLAND, N.W.	67	7	*	*	*	*	398	- 10	338	- 46	91	+ 19	13·06	+ 3·19	504	+ 73	34
8. ENGLAND, S.W.	68	8	*	*	*	*	484	- 44	242	- 57	86	+ 16	14·45	+ 1·84	546	+ 53	37
9. IRELAND, NORTH	65	7	*	*	*	*	423	- 27	351	+ 8	99	+ 15	15·46	+ 3·13	432	+ 4	29
10. IRELAND, SOUTH	64	18	*	*	*	*	541	- 45	258	0	100	+ 24	16·79	+ 2·97	460	- 20	31
11. ENGLISH CHANNEL	60	28	*	*	*	*	643	- 18	54	- 55	85	+ 7	13·13	+ 2·60	620	+ 26	42

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.										Rainfall.				Bright Sunshine.				NAMES OF STATIONS.
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.				
						Of Highest each day.	Of Lowest each day.	For whole of each day.													
																		Day	Day	Day	
0. SCOTLAND, N.	a, Islands.	p Balta Sound	62	13th	34	8th	53.1	40.6	46.5	—	37	4	3	0.31	73.2	—	63	—	Balta Sound.		
	b, Main-land.	a Sumburgh Head	57	13th	32	—	51.1	—	—	—	—	2	0.55	+ 0.09	55.9	+16.6	50	+15	Deerness.		
		a Stornoway	63	14th	32	10th	53.9	38.9	46.0	+ 0.1	41	9	3	0.36	+ 0.22	57.3	+15.8	51	+14	Stornoway.	
		a Castlebay, Barra Isd.	63	13th	35	8th	53.6	42.9	57.4	- 1.3	38	0	2	0.21	—	65.1	—	59	—	Castlebay.	
		a Wick	64	13th	31	9th	50.4	35.0	43.8	- 2.2	29	11	5	0.63	+ 0.18	—	—	—	—	Strathpeffer.	
		p Strathpeffer	64	14th	33	9th	55.8	38.1	46.4	- 0.4	47	11	5	0.36	- 0.08	43.3	+ 5.8	39	+ 5	—	
p Glencarron	66	14th	32	10th	54.4	37.0	45.2	- 0.5	43	14	3	0.24	- 0.84	—	—	—	—	Fort Augustus.			
p Fort Augustus	62	11th	32	9, 10, 11th	55.0	37.0	45.5	- 1.2	46	14	3	0.21	- 0.32	44.9	+15.2	41	+14	—			
p Fort William	69	14th	32	10th	58.0	37.6	47.2	- 1.0	55	12	3	0.27	- 0.58	—	—	—	—	—			
1. SCOTLAND, E.	—	p Gordon Castle	63	11th, 14th	31	9th	55.2	37.0	45.6	- 1.7	46	14	5	0.37	- 0.03	51.3	—	46	—	Gordon Castle.	
		a Nairn	65	11th	32	9th, 10th	54.3	36.9	45.1	- 2.2	43	14	5	0.48	+ 0.11	46.3	—	42	—	Nairn.	
		a Aberdeen	63	14th	33	9th	52.1	39.9	45.6	- 0.9	34	6	5	0.65	+ 0.16	50.4	+ 9.4	45	+ 8	Aberdeen.	
		a Balmoral	64	14th	25	9th	53.7	33.1	42.8	- 1.5	43	25	4	0.31	- 0.21	47.1	—	43	—	Crathes S.	
		p Crieff	64	14th	30	9th	56.0	36.4	45.6	- 2.7	49	16	3	0.46	- 0.07	51.9	—	47	—	Balruddery	
		a Leith	61	11th	32	9th	51.6	37.9	44.3	- 3.9	33	11	4	0.92	+ 0.57	45.3	+10.3	42	+10	Edinburgh.	
a West Linton	59	11th	22	9th	53.1	30.7	41.2	- 4.0	31	42	2	0.57	—	57.6	—	53	—	West Linton.			
p Marchmont	59	11th, 14th	31	9th	53.3	36.0	44.1	- 2.1	40	17	3	0.82	+ 0.28	45.7	+ 7.2	42	+ 7	Marchmont.			
2. ENGLAND, N.E.	—	a Alnwick Castle	58	14th	32	10th, 11th	52.6	36.3	44.0	- 2.9	38	16	4	0.87	+ 0.39	58.6	—	54	—	Cockle Park.	
		a Shields	56	14th	34	8th	51.1	37.7	44.0	- 3.2	32	12	4	0.87	+ 0.50	40.1	+ 9.1	37	+ 8	Newcastle.	
		p Durham	61	14th	31	11th	53.7	36.6	44.6	- 2.6	41	15	3	0.40	- 0.00	55.5	+18.8	51	+17	Durham.	
		p Rounton	64	14th	32	8th, 10th	56.1	37.2	46.1	- 0.7	49	13	4	0.47	+ 0.10	—	—	—	—	—	
		p Scarborough	59	14th	36	8th	54.4	40.6	47.1	- 0.7	42	4	4	0.61	+ 0.21	68.4	—	63	—	Scarborough.	
		a York	66	14th	36	8th	57.9	40.9	48.9	- 0.7	53	3	4	0.53	+ 0.10	54.2	+16.2	50	+15	York.	
3. ENGLAND, E.	—	a Spurn Head	59	14th	39	9th, 10th	53.0	42.3	47.3	- 1.2	37	0	3	0.57	+ 0.25	—	—	—	—	—	
		a Lincoln	65	12th	33	10th	58.4	39.0	48.1	- 1.9	55	8	3	0.73	+ 0.33	80.2	—	75	—	Skegness.	
		a Fulbeck	67	14th	31	10th	59.2	37.7	47.8	- 1.7	59	12	3	0.64	+ 0.23	69.2	—	65	—	Rauceby.	
		p Cromer	58	12, 13, 14th	37	8th	53.5	42.1	47.5	- 0.7	39	0	4	0.53	—	70.8	—	66	—	Lowestoft.	
		p Hillington	55	14th	29	10th	55.5	38.2	46.3	- 3.2	46	11	3	1.67	+ 1.27	64.8	+20.9	61	+20	Cromer.	
		a Yarmouth	68	14th	36	8th	52.7	42.7	47.4	- 1.0	38	9	4	0.32	- 0.06	81.6	—	77	—	Hillington.	
4. MIDLAND COUNTIES.	—	a Norwich	65	14th	31	10th	58.2	39.3	48.2	- 0.8	55	8	4	1.13	—	—	—	—	—	Yarmouth.	
		p Geddeson	64	14th	33	10th	56.0	37.7	46.3	- 3.1	48	12	5	1.64	+ 1.25	64.2	+17.7	61	+17	Geddeson.	
		p Cambridge	69	14th	28	10th	58.5	38.0	47.6	- 2.9	56	11	5	0.55	+ 0.16	66.8	+23.0	63	+22	Cambridge.	
		a Felixstowe	61	14th	37	8, 9, 10th	54.0	41.3	47.3	- 3.2	40	2	5	0.83	—	66.3	—	63	—	Felixstowe.	
		a Clacton-on-Sea	63	14th	35	10th	54.3	41.9	47.7	- 1.4	40	0	5	1.09	—	63.9	—	60	—	Clacton.	
		a Rothamsted	67	14th	28	10th	57.0	37.0	46.4	- 3.1	52	14	5	0.30	+ 0.12	52.6	+10.7	50	+10	Rothamsted.	
5. ENGLAND, S.E.	—	a Shoeburyness	62	14th	33	10th	55.0	40.9	47.5	- 4.0	43	3	5	0.63	+ 0.36	55.6	—	53	—	Southend.	
		p Tottenham	68	14th	33	10th	58.0	39.7	48.3	- 2.4	54	6	4	0.29	—	52.3	—	50	—	Tottenham.	
		a Harrogate	64	14th	34	8th, 11th	55.6	37.8	46.2	- 1.3	47	12	3	0.50	+ 0.02	59.0	—	55	—	Harrogate.	
		a Bawtry	70	14th	29	11th	60.9	36.6	48.0	- 1.5	65	15	4	0.90	+ 0.61	61.6	+25.0	58	+23	Workshop.	
		p Buxton	63	14th	29	11th	53.6	36.4	44.5	- 1.5	41	16	3	0.07	- 0.61	55.6	—	52	—	Buxton.	
		a Nottingham	66	14th	28	11th	57.3	37.3	46.7	- 2.3	53	13	5	0.19	- 0.20	57.4	—	54	—	Nottingham.	
6. ISLE OF MAN	—	p Birmingham, Edgbs	66	14th	33	9th	55.9	38.9	46.9	- 2.5	47	9	5	0.36	- 0.09	40.1	—	38	—	Birmingham.	
		a Raunds	71	14th	26	10th	59.0	35.3	46.4	- 3.3	59	19	5	0.61	—	—	—	—	—	—	
		a Oxford	68	14th	32	10th, 11th	57.0	37.9	46.9	- 3.6	52	11	6	0.53	+ 0.15	47.4	+ 5.4	45	+ 5	Oxford.	
		a Cheadle	66	14th	30	9th	55.0	37.3	45.6	- 2.6	45	13	4	0.16	- 0.30	45.9	—	43	—	Sheffield.	
		p Shrewsbury	67	14th	30	11th	57.9	36.4	45.5	- 3.7	55	16	2	0.14	—	—	—	—	—	—	
		a Hereford	68	14th	30	9th, 11th	58.3	37.4	47.2	- 3.3	56	13	5	0.32	- 0.13	—	—	—	—	—	
7. ENGLAND, N.W.	—	a Cirencester	66	14th	28	9th	58.0	35.7	46.2	- 2.9	56	18	5	0.23	- 0.22	51.3	+ 7.2	48	+ 7	Cirencester.	
		a Bath	69	14th	31	10th	58.0	38.3	47.6	- 3.2	55	10	3	0.19	- 0.25	53.7	—	51	—	Bath.	
		p Kew	66	14th	33	9th, 10th	56.6	49.0	47.8	- 3.1	49	6	5	0.33	- 0.03	49.4	+ 6.5	47	+ 6	Ramsgate.	
		a Marlborough	66	14th	27	9th	55.6	35.1	44.7	- 4.2	48	19	6	0.52	+ 0.09	37.7	- 2.1	36	- 2	Kew.	
		a Margate	62	14th	36	8th	54.8	42.9	48.5	- 1.6	46	0	5	0.74	+ 0.41	59.4	+16.9	57	+16	Marlborough.	
		a Wisley, Surrey	66	14th	29	10th	59.5	37.9	46.6	- 4.5	49	11	4	0.57	—	46.8	—	45	—	Margate.	
8. SOUTH WALES	—	a Swaraton	69	14th	28	10th	56.3	38.1	46.5	- 3.6	50	17	5	0.66	+ 0.21	52.6	—	50	—	Wisley.	
		a Tunbridge Wells	67	14th	31	9th, 10th	50.2	37.5	46.3	- 3.6	49	13	5	0.78	+ 0.38	47.9	+ 3.3	46	+ 3	Worthing.	
		a Dungeness	60	14th	34	10th	54.7	41.0	47.4	- 2.5	42	3	4	0.54	+ 0.26	53.9	—	51	—	Tunbridge Wells.	
		p Hastings	64	14th	34	9th	55.6	41.2	48.0	- 2.5	45	2	5	0.54	+ 0.18	53.5	+ 2.5	50	+ 2	Littlestone.	
		p Southampton	70	14th	33	9th	57.6	39.7	48.1	- 4.2	52	6	5	0.49	+ 0.05	43.9	- 2.8	42	- 3	Hastings.	
		a Ventnor	62	14th	35	9th	56.1	41.4	48.3	- 3.2	47	2	6	0.65	+ 0.28	48.6	- 1.2	46	- 1	Southampton.	
9. IRELAND, N.	—	a Westminster	67	14th	34	10th	57.6	40.3	48.4	- 3.0	52	5	5	0.35	- 0.01	44.4	+ 9.3	42	+ 4	Ventnor.	
		a Greenwich	67	14th	30	10th	55.5	33.5	47.9	- 3.5	56	10	5	0.42	+ 0.07	53.8	+13.8	51	+14	Eastbourne.	
		a Laudale	67	14th	31	9th	50.6	37.7	46.6	- 2.1	50	12	2	0.45	- 0.15	—	—	—	—	Westminster.	
		a Pottaloch	63	14th	34	9th	54.7	39.5	46.6	- 2.0	43	7	3	0.48	- 0.06	49.2	+14.0	45	+13	Greenwich.	
		p Glasgow	65	14th	33	9th	57.0	39.3	47.6	- 1.1	51	8	4	0.25	- 0.40	—	—	—	—	Glasgow.	
		a Kilmarnock	66	14th	29	9th	57.0	36.6	46.2	- 2.3	52	15	2	0.12	—	67.0	—	62	—	Kilmarnock.	
10. IRELAND, S.	—	a Colmonell	70	13th	31	9th, 12th	58.6	36.3	46.8	- 1.9	58	10	3	0.44	- 0.13	—	—	—	—	Dumfries.	
		p Dumfries	67	14th	31	9th	57.9	38.7	47.7	- 1.5	54	9	2	0.45	- 0.10	70.2	—	65	—	—	
		p Cally, Gatehouse	69	14th	26	9th	60.1	34.6	46.6	- 2.0	63	21	4	0.16	- 0.54	—	—	—	—	—	
		p Douglas	64	14th	36	9th	54.6	41.0	47.4	- 1.0	42	3	3	0.13	- 0.45	67.3	+18.3	62	+17	Cally.	
		p Aspatria	67	14th	30	9th	57.2	38.2	47.1	- 0.7	52	11	3	0.14	- 0.41	77.1	—	71	—	Douglas.	
		p Newton Rigg	66	14th	30	9th	58.1	36.4	46.6	- 0.6	56	16	3	0.15	- 0.38	74.4	+32.2	69	+30	Hoylake.	
11. ENGLAND, S.W.	—	p Stonyhurst	65	14th	33	9th	54.4	38.4	45.9	- 2.5	42	10	4	0.33	- 0.30	67.8	+26.1	63	+24	Aspatria.	
		p Blackpool	67	14th	31	9th	56.5	39.2	47.3	- 1.8	49	8	3	0.20	- 0.18	71.5	+23.6	66	+26	Newton Rigg.	
		p M'ach'ster, Prestwich	66	14th	33	9th, 10th	56.3	38.5	46.9	- 1.7	49	10	4	0.46	- 0.09	54.8	+18.4	51	+17	Stonyhurst.	
		a Liverpool (Bidston)	66	14th	37	8th, 9th	55.4	41.6	48.1	- 1.4	44	1	2	0.30	- 0.11	60.8	—	57	—	Blackpool.	
		a Hawarden Bridge	67	14th	34	11th	56.6	39.5	47.5	- 3.1	49	7	5	0.07	- 0.30	64.0	+18.2	59	+17	Prestwich.	
		p Llandudno	58	14th	39	8, 9, 11th	53.1	42.0	47.2	- 2.6	36	0	4	0.21	- 0.21	64.1	+20.3	60	+19	Liverpool.	
12. IRELAND, N.	—	a Holyhead	61	14th	39																

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound ..	—	—	45·7	—	Harrogate ..	2	28	45·6	45·3	6. Dumfries ..	3	26	47·9	46·4
1. Aberdeen ..	—	—	—	43·6	Huddersfield ..	4	25	46·7	44·2	Douglas ..	0	31	—	—
Crathes ..	4	22	45·8	44·1	Buxton ..	5	23	45·5	44·1	Aspatia ..	4	21	49·1	45·7
Balmoral ..	5	21	—	—	Sheffield ..	4	22	46·3	45·2	Newton Rigg ..	4	23	47·4	45·2
West Linton ..	4	21	—	—	Nottingham ..	4	27	47·3	45·6	Burnley ..	4	25	45·4	43·9
Marchmont ..	4	24	45·6	—	Birmingham ..	3	20	43·9	45·0	Southport ..	4	21	49·7	48·8
Cockle Park ..	3	27	45·3	44·2	Oxford ..	3	24	—	—	Manchester City ..	0	32	45·5	46·3
Durham ..	4	28	—	—	Hereford ..	6	19	—	—	Bettws-y-Coed ..	0	31	45·3	46·0
York ..	—	—	47·7	46·0	Cirencester ..	4	23	47·0	46·4	Llangammarch Wells	5	20	46·9	46·7
Hull ..	3	29	47·6	45·7	Bath ..	—	—	50·0	49·1	Cardiff ..	2	29	48·2	47·5
Lincoln ..	—	—	47·5	45·7	Margate ..	0	33	47·8	47·1	Clifton ..	1	29	—	—
Raunceby ..	4	20	49·1	46·8	Greenwich ..	4	25	—	—	Plymouth ..	0	31	50·1	—
Norwich ..	3	26	—	—	Westminster ..	3	28	—	—	9. Armagh ..	3	27	49·3	47·6
Yarmouth ..	—	—	50·7	49·4	Kew ..	4	23	48·1	48·0	Markree ..	2	30	49·8	47·8
Lowestoft ..	—	—	—	—	Canterbury ..	0	31	47·3	48·3	10. Dublin, Trin. Coll. ..	3	26	48·1	48·0
Cambridge ..	3	18	49·6	48·8	Tunbridge Wells ..	3	25	48·4	—	11. Guernsey, Brooklyn	1	30	50·5	50·1
Clacton-on-Sea ..	1	30	49·1	49·0	Wisley ..	4	24	47·4	47·9					
Southend ..	1	28	49·3	—	Worthing ..	3	29	49·3	49·0					
Tottenham ..	4	25	—	48·0	Portsmouth ..	4	27	49·6	49·9					
					6. Glasgow ..	2	26	—	—					
					Rothersey ..	—	—	—	45·1					
					Colmonell ..	1	29	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick ..	47	45	45·7	SCOTLAND, W.	Lamlash ..	46	45	45·2
	Kirkwall ..	45	42	44·4		Ballantrae ..	48	44	46·0
	Wick ..	47	45	45·5	ENGLAND, N.W.	Port Erin ..	49	46	46·9
SCOTLAND, E.	Cromarty ..	47	44	45·4		Newquay ..	51	50	50·9
	Pennan Bay ..	48	44	46·4	ENGLAND, S.W.	Scilly ..	51	49	49·8
	Aberdeen, Cove Bay ..	49	47	47·2		Plymouth ..	50	50	49·7
ENGLAND, N.E.	Burnmouth, Berwick ..	44	43	43·6		Salcombe ..	50	48	49·1
	Scarborough ..	47	44	45·2	IRELAND, N.W.	Sheephaven ..	49	47	48·0
ENGLAND, E.	Shipwash Lightship ..	49	47	47·7		Teelin ..	52	45	48·9
	Margate ..	51	49	49·6	IRELAND, S.W.	Cleggan ..	50	44	47·0
ENGLAND, S.E.	Eastbourne ..	51	48	49·4		Seafeld ..	54	47	50·3

‡ Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years; and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: $\rightarrow$ = blue sky; $\rightarrow$ = detached cloud; $\rightarrow$ = overcast; $\rightarrow$ = misty (hazy); $\rightarrow$ = foggy; $\rightarrow$ = squally; $\rightarrow$ = rain; $\rightarrow$ = hail; $\rightarrow$ = snow; $\rightarrow$ = lightning; $\rightarrow$ = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

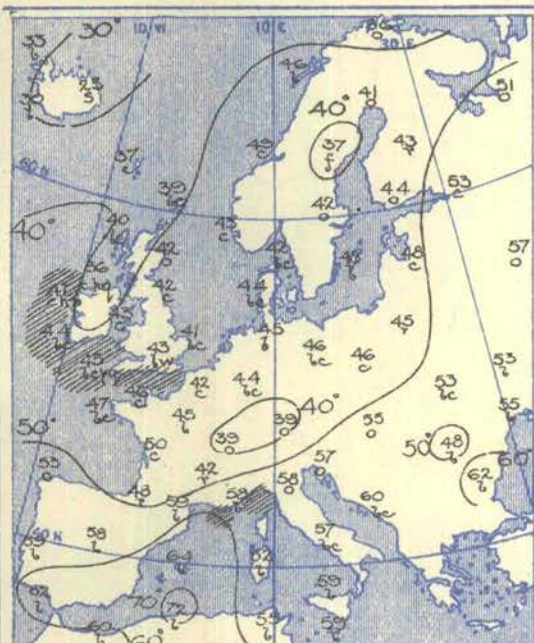
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 8th May, 1910.

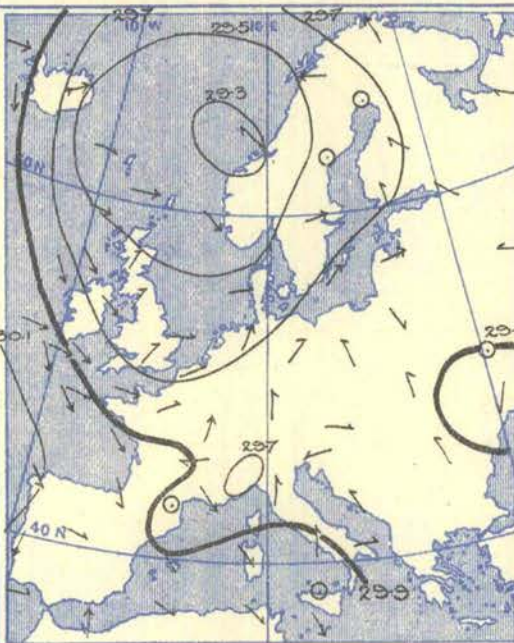
Temperature and Weather.

7 a.m.



Barometer and Wind.

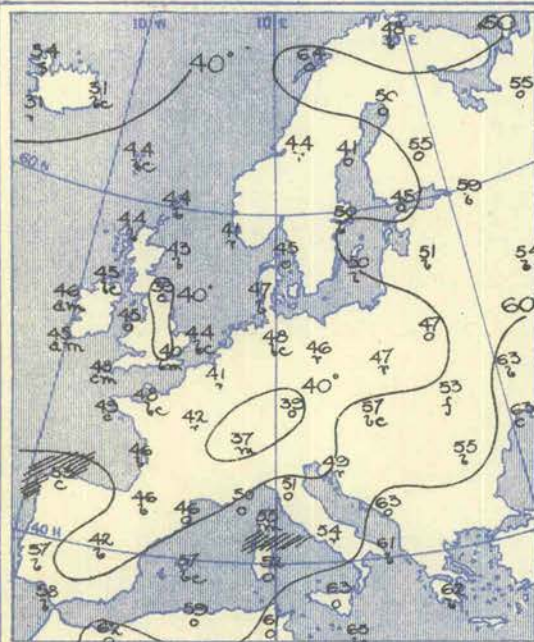
7 a.m.



Tuesday, 10th May, 1910.

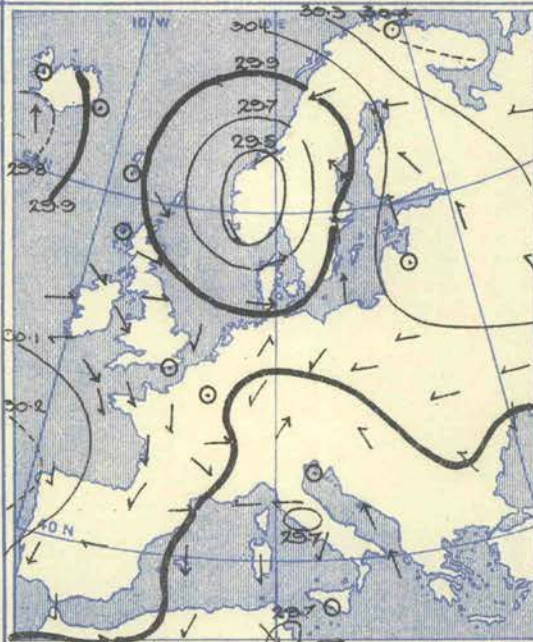
Temperature and Weather.

7 a.m.

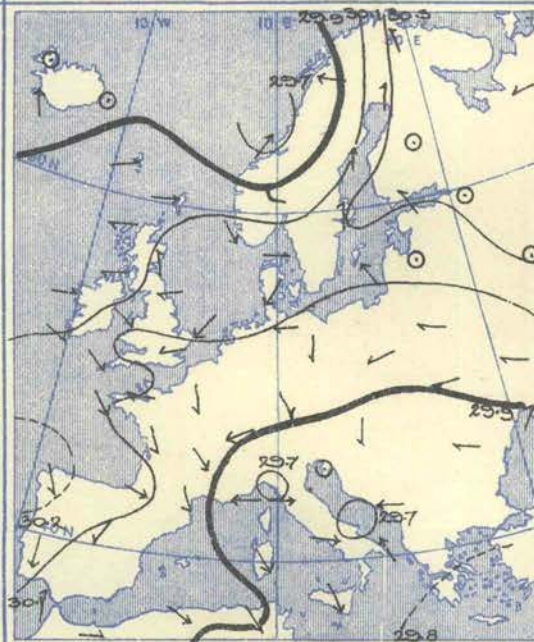


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy on the west coast of Ireland, in the west of Norway, and also at some stations in Germany, France, and Italy. Fair to fine and bright in most other regions, but overcast in places. Heavy rain later on the shores of the Adriatic and considerable falls in Switzerland, Germany, Belgium, and Norway; more than an inch at Pesaro and Trieste. Thunderstorms experienced in some French localities and thunder only at Weymouth.

Temperature changed rather irregularly; risen at most places in the north of the Continent, fallen at many southern stations. Readings in morning ranging from 69° at Stax, 63° in Little Russia, and at Pesaro and Palermo to 40° or below in some patches over these Islands, France, and central Europe. Thermometer rising to between 50° and 55° later over this country, the Netherlands, and a large portion of Germany, but rising to 68° at St. Petersburg, to above 70° in Hungary and Poland, as well as at a few stations on the shores of the Mediterranean, and to 81° at Bucharest. Minimum during night 31° at Bath and 28° at Nottingham.

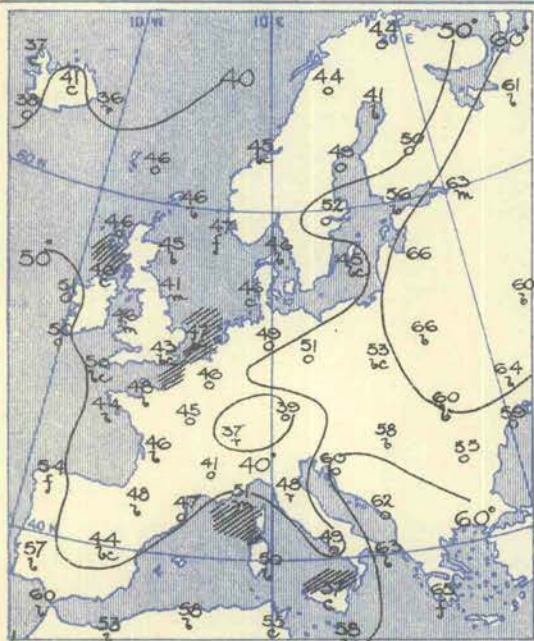
Wind in morning showing a well marked cyclonic movement over the north-west of our area strong winds and gales from various directions prevailing in Scandinavia. Light to moderate or fresh breezes, mainly from some Northerly point, general in the United Kingdom and the Mediterranean region. Wind tending to become more cyclonic over Italy and its vicinity by evening, and increasing to a strong breeze in places. Gales subsiding in Scandinavia, but wind continuing strong in many places.

Barometer in morning above 30.4 ins. in the extreme north of our area and above 30.1 ins. in the south-west. Below 29.5 ins. in a depression centred over Norway, and relatively low over Italy and the neighbouring regions. Northern disturbance travelling away northward very quickly during day, and pressure increasing rapidly in its rear. Barometer rising decidedly over these Islands, but changing very little and rather irregularly over Italy and the south-east of France.

Wednesday, 11th May, 1910.

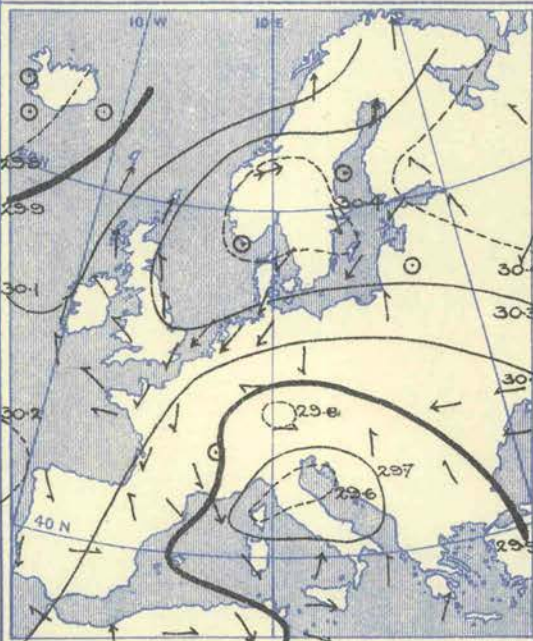
Temperature and Weather.

7 a.m.

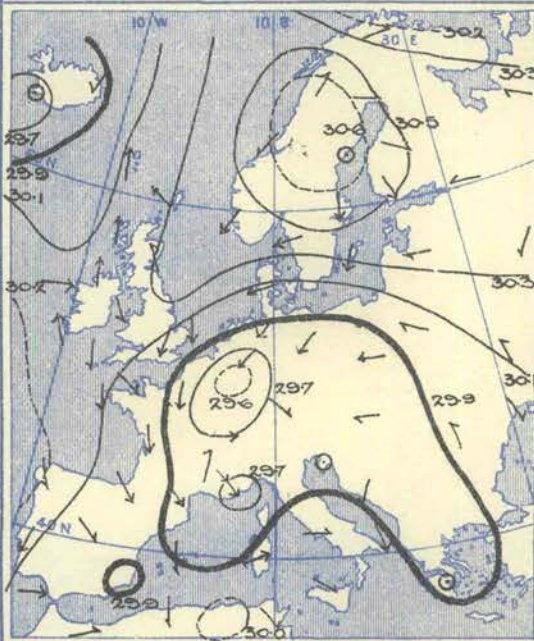


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy over some parts of Italy and France, and also at Cassel, and a thunderstorm in progress at Memel. Fair to fine and bright in nearly all other regions, but cloudy or overcast in Ireland and the Hebrides. Some rain later over the greater portion of England and Ireland, and also in France, Italy, and at various places in central Europe. As much as 1.1 in. at Lugano, 1.4 in. at Limoges, and about 0.9 in. at Cape Gris Nez. Thunder and lightning in the east and south-east of England and also in some parts of Germany.

Temperature fallen over Italy, risen generally elsewhere. Morning readings ranging from 66° at Riga and Warsaw, 61° at Archangel, and about 60° at some places in the far south of our area to below 50° over Scandinavia, these Islands, France, and most of Italy, and to 37° at Belfort. Maxima during day 82° at Memel, 79° at Berlin and Breslau, above 70° in central Europe as a whole, and also at some stations in the Mediterranean region. Thermometer touching 60° in some parts of England and 55° at Nairn, but only reaching 51° at Paris and 49° at Belfort.

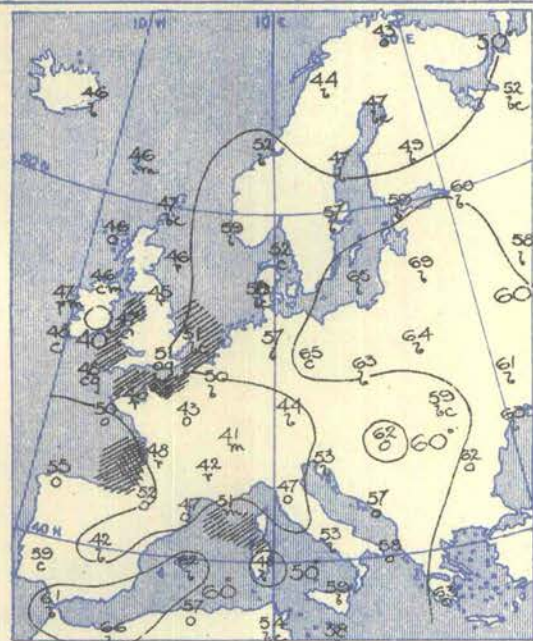
Wind in morning mainly anti-cyclonic over these Islands and Scandinavia; cyclonic over Italy and the surrounding regions. Fresh to strong from various points on the shores of the Mediterranean and from North-East on the south-east coast of England and in Holland. A gale from West-South-West blowing at Christiansund. Every station in Iceland reporting a calm. North-Easterly current increasing to a high wind on our south-east and the Dutch coasts by evening, and to a strong breeze over Denmark and the Baltic. Gale at Christiansund subsiding.

Barometer in morning above 30.4 ins. in a large anti-cyclone, having its maximum over Norway; below 29.6 ins. in a depression over northern Italy, and below 29.3 ins. over the greater part of Iceland. Central portion of anti-cyclone moving northwards later and Italian depression undergoing considerable modification; a portion of the system moving northward to Western Germany. Gradient for North-Easterly winds becoming much steeper over the Baltic, the Netherlands, and the south-east of England.

Thursday, 12th May, 1910.

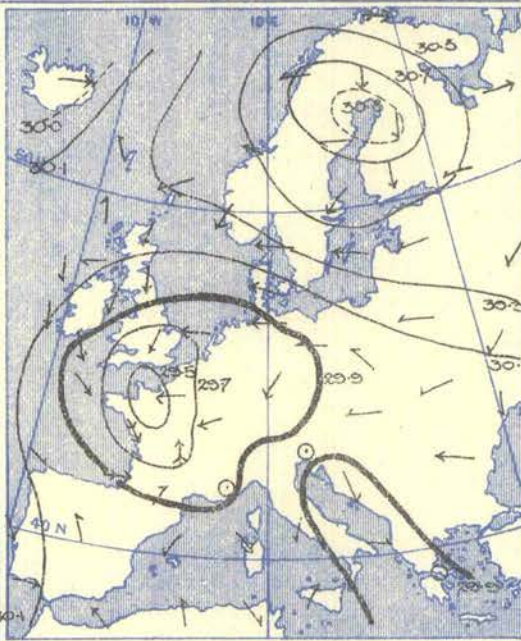
Temperature and Weather.

7 a.m.

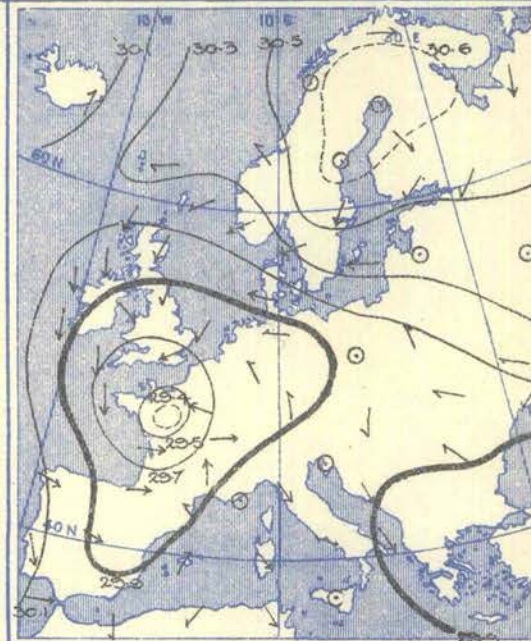


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy over most of England, Scotland, and France, and also at Lugano, and showery at Blacksod Point. Fair to fine and bright in most other regions. Rain falling later in almost all parts of these Islands and France, and also in a few places in central Europe. About an inch at several French stations. Thunderstorms occurring in some British localities.

Temperature changed irregularly. Morning readings above 65° at some stations in the extreme south and at others in Russia; below 50° over the greater portion of the United Kingdom, France, and South Germany, as well as in the north of Scandinavia. Maxima during day about 60° in various parts of these Islands and at a few places in the east of France, but only 45° at Limoges, 50° at Cetta and Cape Sicié, and 48° at Turin. Thermometer rising to 72° at St. Petersburg and to 75° and above in several parts of central Europe and at Swinemünde.

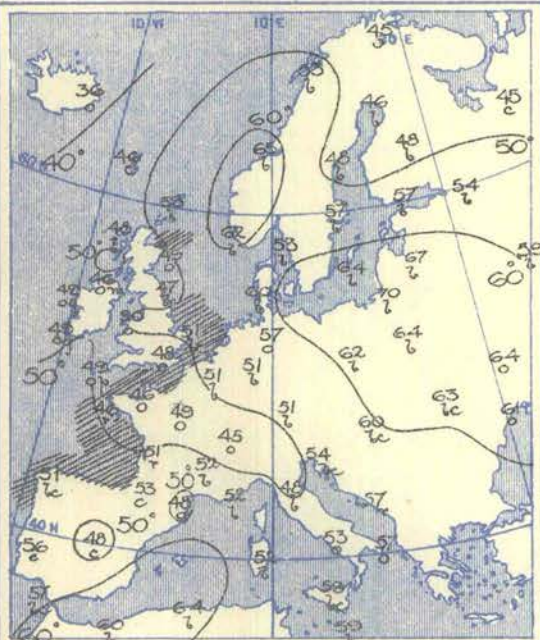
Wind in morning showing a well marked cyclonic movement over France and the surrounding regions, and an anticyclonic circulation in the north and north-east of our area. Northerly to North-Westerly current blowing a gale or high wind over the western half of the Channel and over the Bay of Biscay, the southerly current strong to a gale at Lyons, and that from the Eastward fresh to strong in the east and south-east of England, and also in Denmark and the south of Norway. A gale from the Westward prevailing at Vardö. No important change later.

Barometer in morning above 30.8 ins. in a high pressure system having its maximum over Finland; below 29.5 ins. in a large depression with its centre over France not far from le Mans. Little modification occurring later in the French depression, and general distribution of pressure remaining unchanged. Pressure decreasing rather decidedly in the west and north of the United Kingdom, but increasing a little in the south-east. Gradient becoming less steep over this country and the North Sea.

Friday, 13th May, 1910.

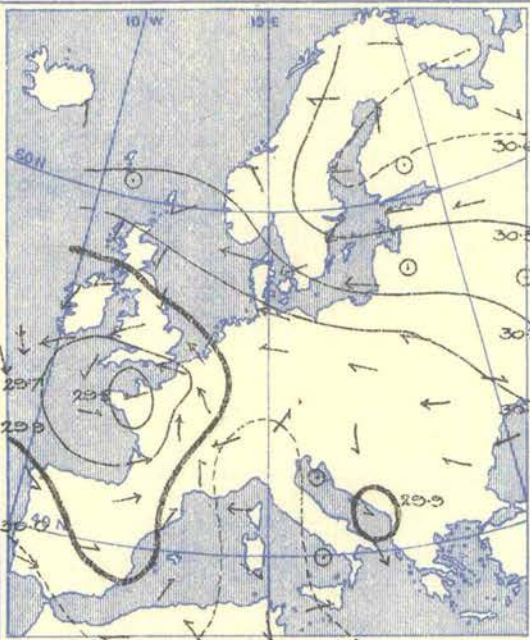
Temperature and Weather.

7 a.m.

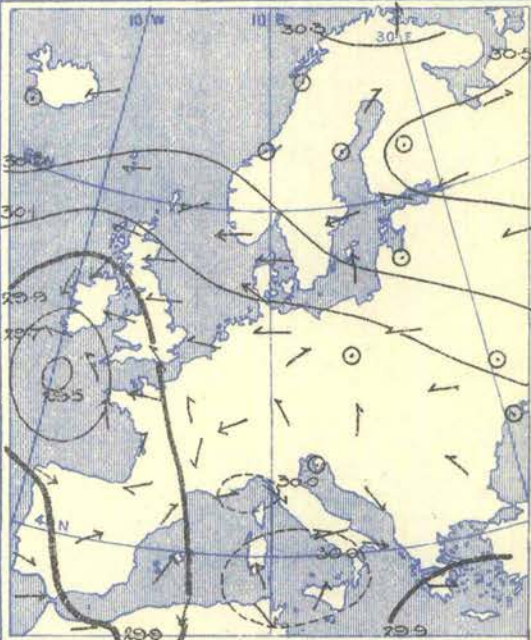


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over the major portion of our area, but overcast in France, with rain at some stations, and showery at the Scilly Isles. Rain falling at Pesaro also. Some rain later in several parts of these Islands and in a few places scattered over a wide area on the Continent, as much as 2 ins. at Prague. A thunderstorm occurring at Valencia (Ireland), as well as at the mouth of the Elbe.

Temperature risen in most regions. Morning readings ranging from 70° at Memel, 68° at Oran, 65° at Christiansund, and above 60° over Poland and the southern half of Russia, to below 50° in some parts of France, Italy, and these Islands, and at most stations in the extreme north of Europe. Rising later to 73° at Oban and to about 60° in some other parts of these Islands, but only touching 48° at Leith. Maxima between 70° and 80° in Germany and Poland, about 70° in some Scandinavian localities, and a little above 70° on the coast of Algeria.

Wind in morning anticyclonic in the north and north-east of Europe, generally cyclonic elsewhere, the chief circulation being over England and France. Easterly current strong to high on the Channel, and that from the Westward strong on the Bay of Biscay. Fresh to strong Easterly breezes prevailing on the Baltic and in Denmark. No general change in direction later in day but wind decreasing in strength over the south of this country and on the Bay of Biscay, and also over the Baltic and Denmark.

Barometer in morning above 30.6 ins. in a band of high pressure extending from the Gulf of Bothnia to the White Sea and beyond; below 29.5 ins. in a depression centred over the English Channel, and relatively low in the south-east of Spain and in a shallow disturbance in the south-east of Europe. Channel depression moving westward during day and barometer rising briskly in the south of England and north of France, but a fresh fall setting in in the south-west of France and over the adjacent portion of Spain. Pressure decreasing somewhat within the region of high barometer.

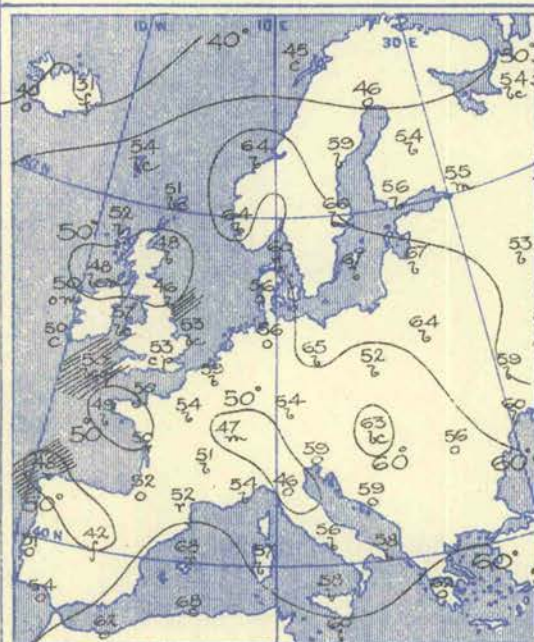
Temperature and Weather.

Barometer and Wind.

7 a.m.

7 a.m.

6 p.m.



Wind in morning showing a moderate to light cyclonic circulation in the south-west of our area, and light, variable or anticyclonic breezes in most other regions. Every station in Iceland reporting calm. Easterly current increasing somewhat in force in the south of England by evening, but no general change taking place.

Barometer in morning above 30·4 ins. towards the north of Russia, and also between Iceland and Norway and relatively high over the intervening region; below 29·9 ins. in a small depression over Trieste and its neighbourhood, and below 29·8 ins. in a large area of irregular shape over the Bay of Biscay and the Spanish Peninsula. Pressure decreasing during day in nearly all parts of these Islands and over the western half of the Continent, as well as in Iceland, but change slight generally, and little modification occurring in the distribution.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90° = E, 180° = S, 270° = W, and 360° = N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.	Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean-Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. May 8th, 10.5 a.m. to 12.5 p.m.	Brighton, 115 m.	{ Temperature Humidity Wind	288° 85% 240°, 5	282° 86% 240°, 7	270° 95% 265°, 8				276° 95% 270°, 9	Metres. 900 { Overcast. Cu.-Ni. Thunder, light- ning and rain at intervals. Temp. very variable.
2	May 11th, 10.15 a.m. to 11.30 a.m.	Pyrtou Hill, Oxon, 150 m.	{ Temperature Humidity Wind	284° 70% 20°, 7	282.5° 70% 20°, 12	280.5° 90% 25°, 14	277.5° 90% 30°, 17			274.5° 90% 45°, 17	1,450 { A few clouds about 1,100 m. Humidity variable.
3	May 12th, 2.35 p.m. to 3.40 p.m.	Pyrtou Hill, Oxon, 150 m.	{ Temperature Humidity Wind	287.5° 60% 80°, 7	286.5° 60% 80°, 12	283° 75% 110°, 14	279.5° 90% 125°, 17			277.5° 90% 135°, 20	1,300 { A few clouds not reached.
4	May 14th, 10.40 a.m. to 11.50 a.m.	Brighton, 115 m.	{ Temperature Humidity Wind	289° 60% 95°, 17	288° 60% 95°, 16	286.5° 60% 100°, 17				288° 60% 170°, 17	800 { Half overcast. Alt.-Cu. to clear. Surface wind frequently reached 20 m. per 8.
5	May 14th, 11.28 a.m. to 12.16 p.m.	Pyrtou Hill, Oxon, 150 m.	{ Temperature Humidity Wind	290.5° 60% 90°, 6	289° 60% 90°, 12	288.5° 70% 95°, 14	287° 80% 100°, 18			286° 70% 100°, 18	1,100 { Clear during day.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4	5
No. of Kites... ..	2	1	1	1	1
Area of Surface (metres) ..	12	6	6	4.5	6
Length of Wire (metres) ..	1,800	1,900	1,900	1,000	1,500

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 20.
Vol. XXVII. (New Series.)

TWENTIETH WEEK, SUNDAY, MAY 15TH, TO SATURDAY, MAY 21ST, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was generally unsettled, but was upon the whole far more seasonable than of late. Sea fog and mist were experienced along the east and north-east coasts of Great Britain. Thunderstorms were very common in England, and rather so in Scotland and the south of Ireland. On Friday and Saturday they occurred over a wide area in Great Britain, and were very severe locally.

Temperature was above the normal, the excess ranging from less than 3° in Scotland E. and the English Channel to about 6° in England S.E. and E., the Midland Counties and Scotland W. The highest of the maxima, which were generally recorded during the latter half of the week, varied from 83° in England E. (at Hillington on the 20th), 80° in England N.E., 79° in the Midland Counties, and 78° in Ireland S., to 73° in Scotland N. and to 71° in Ireland N. The lowest of the minima were registered at most stations early in the week, and ranged from 37° in Scotland E., the Midland Counties, and England S.W., to 45° in England E. and the English Channel. The lowest grass readings recorded were 29° at Hereford and Llangammarch Wells, 30° at Southport, 31° at Buxton and West Linton, and 32° at Dublin, Armagh, and Markree Castle.

Mean Temperature of the Sea was considerably higher than during the preceding week on many parts of the coast, and was in several places higher than during the corresponding week of last year. The figures ranged from 54° at Margate, Eastbourne, Seafeld and Teelin and 53° at Newquay to between 47° and 48° on the east and north-east coasts of Scotland, and to 44° at Burnmouth.

Rainfall was less than the normal in Scotland and only equal to it in Ireland N., but elsewhere there was an excess. At Cullompton, on Tuesday, the fall amounted to 1.16 inch. [According to the newspapers, the thunderstorms which occurred at the end of the week were accompanied in the north of England by extremely heavy falls of rain and hail.]

Bright Sunshine was slightly more than the normal in Scotland N. and W. and England S.E. and S.W. and equal to it in Ireland S., but in all other districts it was less, the deficit being large in the Midland Counties and the north-east of Great Britain. The percentage of the possible duration ranged from 47 in England S.E., 46 in the English Channel, and 45 in England S.W. to 21 in Scotland E. and to 17 in England N.E.

Barometer and Wind.—The barometer was highest in a large anticyclonic system far to the northward of these Islands and lowest over France and the Bay of Biscay region. The general direction of the wind was consequently from the Eastward (between N.E. and S.E.), and as a rule it had little force. Numerous local irregularities of pressure appeared immediately over the United Kingdom, however, and these caused the wind to vary in direction, and produced the thunderstorms noted above.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 156.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Very Unusual	Moderate	Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Very Unusual	Unusual	Very Unusual	Unusual
	Rainfall ...	Light	Moderate	Heavy	Heavy	Heavy	Heavy	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy
	Sunshine ...	Moderate	Scanty	Very Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth. Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 11 weeks from March 6th, 1910.	Warmth ...	4 * 4	2 * 3	5 * 1	3 * 3	4 * 5	3 * 6	3 * 3	3 * 2	2 * 5	3 * 4	2 * 4	2 * 4
	Rainfall ...	4 * 4	2 * 2	4 * 3	7 * 2	4 * 3	5 * 3	4 * 4	3 * 4	2 * 3	3 * 3	5 * 3	4 * 2
	Sunshine ...	5 * 1	3 * 2	2 * 4	4 * 3	5 * 4	4 * 4	3 * 3	3 * 2	3 * 2	2 * 4	2 * 4	4 * 6

PAST SEASONS.

SPRING, 1909. Mar. 7th–June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
	Rainfall ...	3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

DISTRICTS. (See Frontispiece map.)		TWENTIETH WEEK—May 15th to May 21st, 1910.																
		Temperature.								Rainfall.				Sunshine.				
		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)	
		Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)							
0. SCOTLAND, NORTH		73	41	60.3	46.1	52.8	+ 5.1	Day-deg. 76	Day-deg. + 30	Day-deg. 0	Day-deg. - 6	2	- 2	Inches. 0.09	Inches. - 0.53	40	+ 1	% 35
Eastern																		
1. SCOTLAND, EAST		74	37	57.4	44.2	50.4	+ 2.3	59	+ 7	0	- 6	4	0	0.41	- 0.09	24	- 19	21
2. ENGLAND, N.E.		80	40	58.5	46.3	52.0	+ 3.1	70	+ 18	0	- 3	5	+ 2	0.90	+ 0.52	19	- 20	17
3. ENGLAND, EAST		83	45	65.3	49.9	57.1	+ 6.2	106	+ 40	0	- 3	4	+ 1	0.79	+ 0.36	44	- 2	41
4. MIDLAND COUNTIES		79	37	65.9	48.2	56.5	+ 5.7	102	+ 35	0	- 4	5	+ 2	0.64	+ 0.16	27	- 16	25
5. ENGLAND, S.E.		74	40	66.1	50.1	57.6	+ 5.3	109	+ 35	0	- 1	4	+ 1	0.57	+ 0.16	51	+ 4	47
Western																		
6. SCOTLAND, WEST		76	39	65.2	47.5	55.8	+ 5.9	97	+ 38	0	- 2	4	+ 1	0.45	- 0.21	36	- 9	33
7. ENGLAND, N.W.		76	40	64.1	47.8	55.5	+ 5.0	95	+ 33	0	- 1	5	+ 2	0.64	+ 0.14	39	- 7	35
8. ENGLAND, S.W.		74	37	63.5	48.9	55.7	+ 4.0	96	+ 27	0	- 1	4	+ 1	0.76	+ 0.27	49	+ 1	45
9. IRELAND, NORTH		71	40	60.7	47.0	53.4	+ 3.2	80	+ 20	0	- 1	4	0	0.54	0.00	35	- 9	32
10. IRELAND, SOUTH		78	40	61.5	48.2	55.9	+ 4.2	97	+ 28	0	- 1	4	0	0.74	+ 0.20	47	0	44
11. ENGLISH CHANNEL		69	45	62.2	49.7	55.6	+ 2.6	95	+ 18	0	0	4	+ 1	0.86	+ 0.46	49	- 8	46
THE SEASON (Spring).—Aggregates, &c., for the Period of 11 Weeks, March 6th to May 21st, 1910.																		
0. SCOTLAND, NORTH		73	20	*	*	*	*	237	+ 11	208	- 11	52	+ 2	11.32	+ 2.57	339	+ 11	32
Eastern																		
1. SCOTLAND, EAST		74	22	*	*	*	*	324	- 13	225	- 11	42	0	6.12	+ 0.84	357	0	34
2. ENGLAND, N.E.		80	24	*	*	*	*	394	+ 57	153	- 20	41	+ 3	4.57	+ 0.31	364	- 22	35
3. ENGLAND, EAST		83	21	*	*	*	*	451	+ 15	144	- 37	40	+ 4	5.50	+ 1.45	417	+ 19	41
4. MIDLAND COUNTIES		79	23	*	*	*	*	460	+ 10	185	- 9	41	+ 6	4.44	- 0.07	365	+ 4	35
5. ENGLAND, S.E.		74	22	*	*	*	*	459	- 10	116	- 6	42	+ 8	5.22	+ 0.96	417	+ 17	41
Western																		
6. SCOTLAND, WEST		76	26	*	*	*	*	381	+ 21	141	- 19	47	+ 5	7.20	- 0.52	368	- 5	35
7. ENGLAND, N.W.		76	23	*	*	*	*	380	+ 4	119	- 15	46	+ 7	5.71	+ 0.11	386	+ 22	37
8. ENGLAND, S.W.		74	20	*	*	*	*	420	- 26	99	- 2	41	+ 3	5.33	- 0.77	429	+ 24	42
9. IRELAND, NORTH		71	26	*	*	*	*	377	- 13	118	- 9	50	+ 4	3.28	- 0.06	333	- 21	32
10. IRELAND, SOUTH		78	25	*	*	*	*	454	- 15	86	- 8	50	+ 8	6.83	+ 0.02	358	- 34	35
11. ENGLISH CHANNEL		69	31	*	*	*	*	505	- 14	21	- 9	39	- 1	5.45	+ 0.43	451	- 2	47
THE YEAR.—Aggregates, &c., for the Period of 20 Weeks, January 2nd to May 21st, 1910.																		
0. SCOTLAND, NORTH		73	2	*	*	*	*	335	- 1	595	+ 46	104	+ 8	23.02	+ 3.31	460	+ 44	29
Eastern																		
1. SCOTLAND, EAST		74	-10	*	*	*	*	382	- 23	634	+ 21	85	+ 8	12.16	+ 1.89	510	+ 29	33
2. ENGLAND, N.E.		80	6	*	*	*	*	478	+ 61	454	- 20	82	+ 11	8.99	+ 1.34	521	+ 8	33
3. ENGLAND, EAST		83	17	*	*	*	*	571	+ 45	398	- 127	80	+ 10	9.85	+ 2.43	603	+ 65	38
4. MIDLAND COUNTIES		79	10	*	*	*	*	567	+ 13	474	- 56	83	+ 15	9.71	+ 1.02	534	+ 53	34
5. ENGLAND, S.E.		74	13	*	*	*	*	598	+ 11	294	- 87	85	+ 19	11.40	+ 2.69	602	+ 69	38
Western																		
6. SCOTLAND, WEST		76	0	*	*	*	*	468	+ 19	432	+ 10	94	+ 12	18.52	+ 1.95	498	+ 18	32
7. ENGLAND, N.W.		76	7	*	*	*	*	493	+ 23	338	- 47	96	+ 21	14.60	+ 3.33	543	+ 66	34
8. ENGLAND, S.W.		74	8	*	*	*	*	580	- 17	242	- 58	90	+ 16	15.21	+ 2.11	595	+ 54	37
9. IRELAND, NORTH		71	7	*	*	*	*	508	- 7	351	+ 7	103	+ 15	16.00	+ 3.13	467	- 5	29
10. IRELAND, SOUTH		78	18	*	*	*	*	638	- 17	258	- 1	104	+ 24	17.63	+ 3.17	507	- 21	32
11. ENGLISH CHANNEL		69	28	*	*	*	*	738	0	54	- 55	89	+ 8	13.99	+ 3.06	669	+ 18	42

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. At Stations marked p. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked g is supplied by the Royal Meteorological Society, and that for Stations marked s is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.					
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.							
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°.		Below 42°.				
0. SCOTLAND. N.	a, Islands.	p Balta Sound	59	21st	42	17th	53.2	45.2	49.0	—	Day	Day	1	0.01	64.9	—	55	—	Balta Sound.					
		a Sunbungh Head	56	15th	43	18th	51.7	47.1	49.4	—	—	—	2	0.04	—	—	27	—	Duerness.					
		a Stornoway	66	19th, 20th	43	18th	60.6	47.1	53.5	+ 0.6	81	0	0	0.05	—	—	82	+39.6	Stornoway.					
		a Castlebay, Barra Isd.	70	15th	43	15, 20, 21st	55.6	51.1	57.0	+ 0.5	105	0	0	0.19	—	—	63.7	—	Castlebay.					
		a Wick	56	15th	42	18th	52.4	44.4	48.2	+ 1.3	43	0	0	0.19	—	—	—	—	Strathpeffer.					
		p Strathpeffer	67	20th	44	17th, 18th	59.6	46.4	52.6	+ 4.8	74	0	0	0.25	—	—	24.5	—	Strathpeffer.					
		p Glencarron	72	20th	41	18th	63.9	45.9	54.4	+ 7.6	87	0	0	0.07	—	—	—	—	Fort Augustus.					
		p Fort Augustus	70	20th	42	18th	59.0	45.4	51.8	+ 4.0	69	0	0	0.05	—	—	23.6	—	Fort Augustus.					
		p Fort William	73	20th	44	17th, 18th	66.2	47.6	56.3	+ 7.0	100	0	1	0.01	—	—	—	—	Fort Augustus.					
		b, Main-land.	p Gordon Castle	69	20th	40	18th	58.6	44.6	51.2	+ 2.7	64	0	3	0.15	—	—	27.3	—	Gordon Castle.				
1. SCOTLAND. E.		a Nairn	74	20th	40	18th	55.3	43.9	50.7	+ 2.2	61	0	4	0.22	—	—	26.2	—	Nairn.					
		a Aberdeen	63	16th	43	18th	55.7	46.1	50.6	+ 2.9	60	0	5	0.82	—	—	43.2	+ 0.7	Aberdeen.					
		a Balmoral	65	17th, 19th	39	17th	61.3	43.6	51.9	+ 6.4	69	0	4	0.36	—	—	26.1	—	Crathes S.					
		p Crieff	73	15th	44	18th	62.6	46.2	53.9	+ 4.2	83	0	4	0.40	—	—	26.6	—	Balruddery					
		a Leith	56	21st	42	15th	52.1	44.6	48.1	—	43	0	5	0.52	—	—	—	—	Edinburgh.					
		a West Linton	62	21st	39	19th	56.1	42.5	48.9	+ 2.4	48	0	5	0.36	—	—	13.0	—	West Linton.					
		p Marchmont	59	15th	37	15th	54.6	42.3	48.1	+ 0.6	43	0	4	0.46	—	—	8.0	—	Marchmont.					
		a Alnwick Castle	59	15th, 21st	42	15th	54.9	45.4	49.9	+ 2.0	55	0	4	1.01	+ 0.52	8.4	—	8	—	Cockle Park.				
		a Shields	55	21st	41	17th	52.6	43.4	47.7	—	40	0	5	0.85	+ 0.47	3.6	—	23.7	—	Newcastle.				
		p Durham	62	16th	42	16th	55.6	45.4	50.2	+ 1.6	57	0	4	0.74	+ 0.32	8.9	—	30.2	—	Durham.				
2. ENGLAND. N.E.	a, North.	p Rounton	65	16th	41	15th	56.7	45.1	50.6	+ 2.8	60	0	5	1.05	+ 0.65	—	—	—	—	Scarborough.				
		p Scarborough	64	16th	45	15, 17, 19th	56.4	46.0	50.9	+ 1.9	62	0	6	1.27	+ 0.86	20.0	—	18	—	Scarborough.				
		p York	69	20th	41	20th	64.3	45.3	55.3	+ 4.5	93	0	5	1.13	+ 0.69	14.8	—	25.1	—	York.				
		a Spurn Head	57	20th, 21st	45	17th	54.6	47.6	50.9	+ 1.2	62	0	5	0.46	+ 0.10	—	—	—	—	Skegness.				
		a Lincoln	80	20th	46	15, 17, 18th	64.4	48.7	56.1	+ 4.9	99	0	5	0.76	+ 0.35	31.8	—	29	—	Raouceby.				
		a Fulbeck	80	20th	40	15th	67.0	47.8	56.8	+ 6.3	104	0	6	0.84	+ 0.41	30.9	—	28	—	Lowestoft.				
		b, South.	p Cromer	67	20th	45	15th, 17th	60.8	47.5	53.8	+ 4.1	83	0	5	0.43	—	—	41.2	—	38	—	Cromer.		
		p Hillington	83	20th	45	17th	67.1	48.6	57.8	+ 6.4	107	0	4	1.11	+ 0.69	43.9	—	2.2	40	—	Hillington.			
		a Yarmouth	63	15th	47	15, 16, 17, 19	58.1	48.3	52.9	+ 3.3	76	0	3	0.95	+ 0.57	48.1	—	—	44	—	Yarmouth.			
		a Norwich	80	20th	47	15th	63.9	50.2	59.0	+ 8.8	119	0	5	1.23	—	—	—	—	—	—	Geldeston.			
3. ENGLAND. E.	a, North.	p Geldeston	75	20th	47	15th	66.1	50.1	57.6	+ 7.1	109	0	4	0.76	+ 0.36	44.5	—	4.3	41	—	Geldeston.			
		p Cambridge	78	20th	47	15th, 17th	68.2	50.5	58.8	+ 6.9	118	0	4	0.74	+ 0.33	36.5	—	8.9	34	—	Cambridge.			
		a Felixstowe	72	21st	43	16th	62.4	50.3	56.0	+ 5.3	98	0	2	0.51	—	—	48.5	—	—	—	Felixstowe.			
		a Clacton-on-Sea	72	21st	46	16th	62.1	51.3	56.4	+ 6.3	101	0	2	0.52	—	—	46.5	—	—	—	Clacton.			
		a Rothamsted	74	20th	46	15th	67.4	49.9	58.1	+ 7.4	113	0	5	0.68	+ 0.25	42.5	—	1.5	39	—	Rothamsted.			
		a Shobury	70	20th	45	16th	63.1	51.1	56.7	+ 4.0	103	0	5	0.99	+ 0.74	44.6	—	—	41	—	Southend.			
		p Tottenham	74	20th	46	16th	68.9	52.3	60.1	+ 8.3	127	0	4	0.72	—	—	50.1	—	—	—	Tottenham.			
		b, South.	a Harrogate	66	16th	42	15th	60.7	46.6	53.2	+ 4.5	78	0	4	0.80	+ 0.33	12.3	—	—	11	—	Harrogate.		
		a Bawtry	74	20th, 21st	43	15th	65.1	48.1	56.1	+ 5.4	99	0	6	0.44	+ 0.02	14.9	—	23.2	14	—	21	—	Workop.	
		p Buxton	72	20th	39	19th	61.7	45.6	53.2	+ 0.6	78	0	5	0.67	—	—	35.5	—	—	31	—	Buxton.		
4. MIDLAND COUNTIES.	a, East.	a Nottingham	79	20th	43	19th	65.6	48.4	56.5	+ 5.7	102	0	5	0.80	+ 0.33	22.8	—	—	21	—	21	—	Nottingham.	
		p Birmingham, Edgbn	74	20th	43	15th	65.3	49.7	57.0	+ 6.5	105	0	5	0.66	+ 0.20	30.7	—	—	28	—	28	—	Birmingham.	
		a Raunds	79	20th	44	15th	67.7	48.3	57.4	+ 6.5	108	0	5	0.97	—	—	—	—	—	—	—	Oxford.		
		a Oxford	72	16th, 20th	45	15th	67.6	50.1	58.3	+ 6.9	93	0	5	1.12	+ 0.65	39.5	—	4.3	37	—	4	—	Oxford.	
		a Cheadle	71	20th	43	15th, 18th	64.2	47.4	55.3	+ 5.3	95	0	5	0.71	+ 0.25	13.0	—	—	12	—	—	—	Sheffield.	
		p Shrewsbury	74	20th	37	15th	66.2	46.2	55.6	+ 4.3	102	0	5	0.90	+ 0.43	—	—	—	—	—	—	—	Cirencester.	
		a Hereford	72	16th	42	15th	66.8	47.5	56.6	+ 5.1	102	0	5	0.90	+ 0.43	—	—	—	—	—	—	—	Bath.	
		a Cirencester	71	16th, 17th	43	15th	67.9	48.3	57.5	+ 7.3	103	0	3	0.09	—	—	36.9	—	8.9	34	—	8	—	Cirencester.
		a Bath	74	16th	45	19th	67.6	49.7	58.1	+ 6.1	113	0	3	0.18	—	—	43.1	—	—	40	—	—	—	Bath.
		b, West.	p Kew	72	16th, 20th	48	15th, 16th	68.8	52.2	60.0	+ 7.7	126	0	2	0.03	+ 0.27	47.5	—	2.4	44	—	2	—	Marlborough.
5. ENGLAND. S.E.		a Marlborough	72	16th	41	16th, 17th	66.6	45.6	55.5	+ 5.5	95	0	5	0.30	—	—	43.2	—	1.4	40	—	1	—	Marlborough.
		a Margate	74	20th	47	15, 16, 17th	63.3	50.9	56.3	+ 4.9	100	0	5	0.89	+ 0.55	33.6	—	10.9	31	—	10	—	Margate.	
		a Wisley, Surrey	72	16th	45	15th	68.2	50.1	58.6	+ 8.4	116	0	3	0.51	—	—	46.1	—	—	43	—	—	—	Wisley.
		a Swarston	73	16th	44	15th, 19th	67.8	49.0	57.8	+ 7.3	111	0	5	0.57	+ 0.12	56.4	—	—	53	—	—	—	Worthing.	
		a Tunbridge Wells	71	16th, 19th	47	15th, 17th	68.5	50.5	59.0	+ 7.8	119	0	4	0.81	+ 0.41	54.9	—	8.7	51	—	+ 8	—	Tunbridge Wells.	
		a Dungeness	66	21st	40	18th	60.4	49.1	54.4	+ 3.1	87	0	5	0.81	+ 0.54	51.9	—	—	49	—	—	—	Littlestone.	
		p Hastings	71	21st	48	17th	65.8	52.5	58.8	+ 7.1	118	0	5	0.64	+ 0.27	56.8	—	4.0	53	—				

IV.—TEMPERATURE on the Grass and in the Ground.

IV.—TEMPERATURE on the Grass and in the Ground.																		
STATION.		Grass Min.		Mean Earth Temp.		STATION.		Grass Min.		Mean Earth Temp.		STATION.		Grass Min.		Mean Earth Temp.		
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.			No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.			No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.	
0.	Balta Sound ..	—	—	—	—	4.	Harrogate ..	0	38	—	—	6.	Dumfries ..	0	36	52·9	48·6	
	— ..	—	—	49·5	—		Huddersfield ..	0	37	51·0	45·0		Douglas ..	0	37	—	—	
	— ..	—	—	—	—		Buxton ..	0	31	49·9	44·7		—	—	—	—		
1.	Aberdeen ..	—	—	—	44·9	5.	Sheffield ..	0	35	50·2	45·9	7.	Aspatia ..	0	34	54·1	46·7	
	Crathes ..	0	39	50·7	45·7		Nottingham ..	0	39	53·4	47·4		Newton Rigg ..	0	33	53·3	47·1	
	Balmoral ..	0	36	—	—		Birmingham ..	0	37	49·6	45·4		Burnley ..	0	35	51·3	45·1	
2.	West Linton ..	0	31	—	—	6.	Oxford ..	0	—	—	—	8.	Southport ..	1	30	54·4	50·4	
	Marchmont ..	0	38	50·0	48·9		Hereford ..	1	29	—	—		Manchester City ..	0	45	52·3	47·3	
	Cockle Park ..	0	40	50·7	46·4		Cirencester ..	0	39	51·6	47·7		Bettws-y-Coed ..	0	37	50·6	46·7	
3.	Durham ..	0	41	—	—	7.	Bath ..	—	—	55·0	50·6	9.	Llangammarch Wells ..	2	29	51·4	47·1	
	York ..	—	—	51·8	47·2		Margate ..	0	43	51·3	48·1		Cardiff ..	0	38	53·6	48·4	
	Hull ..	0	43	52·9	46·4		Greenwich ..	0	40	—	—		Clifton ..	0	41	—	—	
4.	Lincoln ..	—	—	53·7	47·1	8.	Westminster ..	0	45	—	—	10.	Armagh ..	0	32	52·8	48·6	
	Ranceby ..	0	39	55·1	47·8		Kew ..	0	37	54·7	48·7		Markree ..	0	32	55·0	48·6	
	Norwich ..	0	46	—	—		Canterbury ..	0	41	53·9	49·1		11.	Dublin, Trin. Coll. ..	0	32	51·9	48·8
5.	Yarmouth ..	—	—	57·7	51·6	9.	Tunbridge Wells ..	0	41	56·6	—	12.		Guernsey, Brooklyn ..	0	40	55·7	51·1
	Lowestoft ..	0	45	56·3	50·1		Wisley ..	0	40	55·3	49·6			13.	—	—	—	—
	Cambridge ..	0	41	56·1	50·1		Worthing ..	0	42	56·5	50·0		14.		—	—	—	—
6.	Clacton-on-Sea ..	0	37	55·0	50·7	10.	Portsmouth ..	0	42	56·9	51·1	15.			—	—	—	—
	Southend ..	0	43	56·6	—		11.	Glasgow ..	0	43	—			—	16.	—	—	—
	Tottenham ..	0	42	—	49·6			Rothsay ..	—	—	—		46·5	17.		—	—	—
7.	— ..	—	—	—	—	12.		Colmonell ..	0	36	—	—	18.			—	—	—
	— ..	—	—	—	—		13.	—	—	—	—	19.			—	—	—	—
	— ..	—	—	—	—			14.	—	—	—			—	20.	—	—	—

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

Taken daily at or about sunrise and at 4 p.m.													
DISTRICT.		STATION.	Highest. °	Lowest. °	Mean. °	DISTRICT.		STATION.	Highest. °	Lowest. °	Mean. °		
SCOTLAND, N.	.. ..	Lerwick	48	47	47·6	SCOTLAND, W.	.. ..	Lamlash	51	45	48·5		
		Kirkwall	48	45	47·1			Ballantrae	51	48	49·5		
		Wick	48	47	47·5			Port Erin	50	47	47·8		
		Cromarty	52	46	48·4			Newquay	55	52	53·0		
SCOTLAND, E.	.. ..	Pennan Bay	49	46	47·2	ENGLAND, S.W.	.. ..	Selly	54	50	51·7		
		Aberdeen, Cove Bay	47	47	47·0			Plymouth†	54	50	51·9		
ENGLAND, N.E.		Burnmouth, Berwick	44	43	43·7			IRELAND, N.W.		Salcombe	54	49	51·7
		Scarborough	48	45	46·4					Sheephaven	50	49	49·9
ENGLAND, E.		Shipwash Lightship	54	49	50·9	IRELAND, S.W.				Teelin	55	50	53·7
		Margate†	58	53	54·0					Cleggan	58	49	52·1
ENGLAND, S.E.		Eastbourne†	55	52	53·9			IRELAND, E.		Seafield	60	50	53·7

‡ Only one observation each day.

CORRECTIONS AND ADDITIONS FOR APRIL, 1910.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

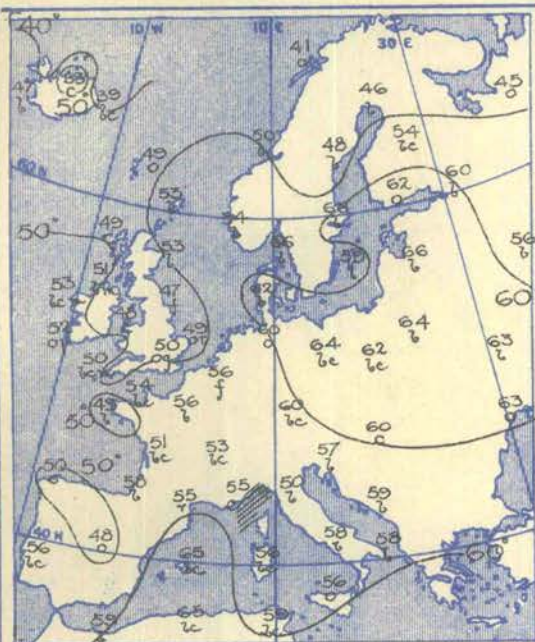
All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.						
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees).		Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.	
						Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°								
District Values.—										Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%	%	
No. 13, p. 106	0. Scotland, N.	—	—	—	—	50·8	37·0	43·7	+3·3	33	14	—	—	—	—	—	—	—	—
No. 14, p. 114	0. Scotland, N.	—	—	28	—	48·3	35·3	41·5	+0·5	18	20	—	—	—	—	—	—	—	—
No. 14, p. 114	3. England, E.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 14, p. 114	10. Ireland, S.	—	—	—	—	—	—	—	—	—	—	—	0·54	+0·20	—	—	—	—	—
No. 15, p. 122	0. Scotland, N.	—	—	27	—	—	—	—	—	—	—	—	—	—	36	0	39	0	—
No. 16, p. 130	1. Scotland, E.	—	—	26	—	44·9	34·9	39·7	-2·2	—	25	—	0·59	+0·16	—	—	—	—	—
Station Values.—																			
Additions.																			
No. 14, p. 115	West Linton	—	—	—	—	—	—	—	—	—	—	—	—	—	16·0	—	18	—	—
No. 14, p. 115	Norwich	56	6th	27	3rd	50·2	36·2	42·9	-0·2	31	16	4	1·01	—	—	—	—	—	—
No. 14, p. 115	Ballinacurra	—	—	—	—	—	—	—	—	—	—	—	—	—	26·9	—	30	—	—
No. 15, p. 123	West Linton	—	—	—	—	—	—	—	—	—	—	—	—	—	11·7	—	12	—	—
No. 15, p. 123	Norwich	61	13, 15th	31	10th	58·0	40·9	49·0	+4·7	54	8	5	0·32	—	—	—	—	—	—
No. 15, p. 123	Hoylake	—	—	—	—	—	—	—	—	—	—	—	—	—	34·5	—	37	—	—
No. 16, p. 131	West Linton	—	—	—	—	—	—	—	—	—	—	—	—	—	23·2	—	23	—	—
No. 16, p. 131	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	17·6	-25·7	18	-27	—
No. 16, p. 131	Cahir	62	20th	30	17th	57·7	44·8	50·9	+4·0	62	0	7	0·93	—	—	—	—	—	—
No. 17, p. 139	Rhyl	—	—	—	—	—	—	—	—	—	—	—	—	—	40·5	—	46	—	—
No. 17, p. 139	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	55·2	+10·3	55	+10	—
Station Values.—																			
Corrections.																			
No. 13, p. 107	Sumburgh Head	—	—	?	?	—	?	?	?	?	?	—	—	—	—	—	—	—	—
No. 13, p. 107	Stonyhurst	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 14, p. 115	Sumburgh Head	—	—	?	?	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 14, p. 115	Scarborough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 14, p. 115	Raunds	—	—	24	3rd	—	33·3	41·3	-2·1	23	33	—	0·40	0·00	—	—	—	—	—
No. 14, p. 115	Dungeness	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 14, p. 115	Stonyhurst	—	—	—	—	—	—	—	—	—	—	—	0·61	+0·26	—	—	—	—	—
No. 14, p. 115	Plymouth	—	—	—	—	—	—	—	—	—	—	—	0·34	-0·33	—	—	—	—	—
No. 15, p. 123	Sumburgh Head	—	—	?	?	—	—	—	—	—	—	—	0·16	-0·38	—	—	—	—	—
No. 15, p. 123	West Linton	51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 15, p. 123	Scarborough	—	—	—	—	44·5	—	39·6	-1·2	7	—	—	—	—	—	—	—	—	—
No. 15, p. 123	Cromer	—	—	—	—	—	—	—	—	—	—	—	0·53	+0·13	—	—	—	—	—
No. 15, p. 123	Birr Castle	—	—	—	—	—	40·2	48·3	+4·4	52	5	—	—	—	—	—	—	—	—
No. 15, p. 123	Cahir	—	—	—	—	—	34·6	41·9	-3·1	—	29	—	—	—	—	—	—	—	—
No. 15, p. 123	Selly	—	—	—	14th	—	36·5	43·1	-2·0	31	15	—	—	—	—	—	—	—	—
No. 16, p. 131	West Linton	—	—	29	18, 20th	48·4	33·7	40·7	-1·1	18	31	—	1·45	—	—	—	—	—	—
No. 16, p. 131	Scarborough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 17, p. 139	Hereford	—	—	—	—	57·7	—	50·8	+3·9	62	—	—	0·25	-0·15	—	—	—	—	—
No. 17, p. 139	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·20	-0·22	—	—	—	—	—
No. 17, p. 139	Spurn Head	—	—	—	—	51·1	—	44·8	-1·5	32	—	—	—	—	—	—	—	—	—
No. 17, p. 139	Cromer	—	—	—	—	—	37·2	44·7	-0·8	—	13	—	—	—	—	—	—	—	—
No. 17, p. 139	Birmingham	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 17, p. 139	Edgbaston	—	—	35	26th	50·8	36·8	43·5	-3·7	32	15	—	—	—	—	—	—	—	—
No. 17, p. 139	Llandudno	—	—	—	—	—	—	—	—	—	—	—	0·90	+0·49	—	—	—	—	—
Station Values.—																			
Additions.																			
No. 14, p. 116	Norwich	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 14, p. 116	Cirencester	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 15, p. 124	Norwich	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 15, p. 124	Cirencester	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.—																			
Corrections.																			
No. 14, p. 116	Plymouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 15, p. 124	Huddersfield	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 16, p. 132	York	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sunday, 15th May, 1910.

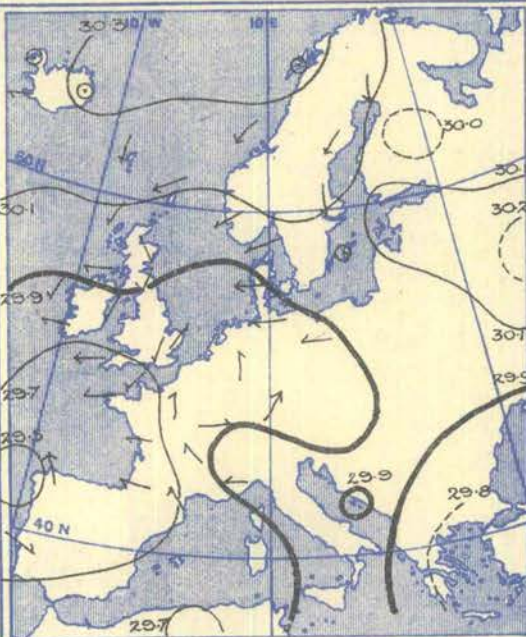
Temperature and Weather.

7 a.m.

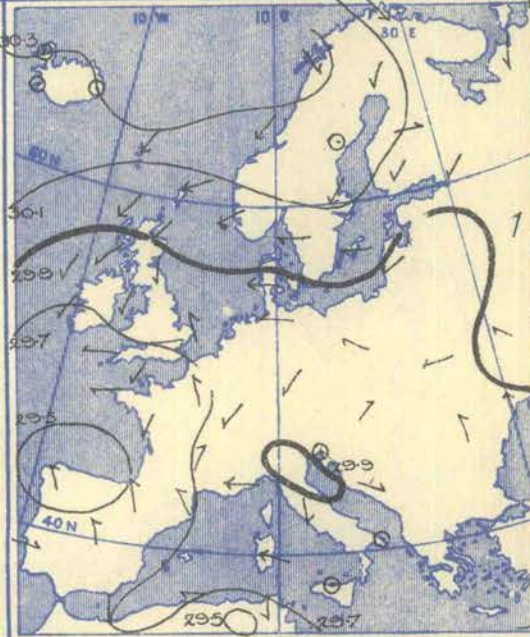


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in some parts of the English midlands and on the east coast, as well as at Valencia and in the extreme south of France, and some coast fog and mist prevalent along the east coast of Great Britain; generally fair to fine and bright elsewhere. Some rain later over the major portion of these islands, at some stations in North German, France, Russia, and in the Spanish Peninsula, as well as at Athens. Thunderstorms experienced in some parts of this country and at Nantes.

Temperature changed rather irregularly; fallen in Scandinavia. Morning readings ranging from 73° at Memel and above 65° at some other Baltic stations to about 60° at many places on the shores of the Mediterranean, to below 50° over the greater part of the United Kingdom and in the far north of the Continent, and to 31° at Vardö. Rising later to 75° at Oban, above 65° in many other parts of Britain, and to between 70° and 80° over the major portion of the Continent; highest value, 78° at Lemberg.

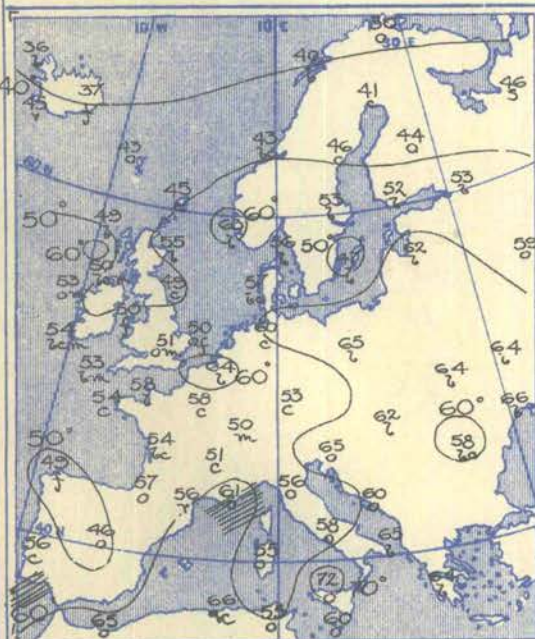
Wind in morning showing a light to moderate cyclonic circulation over all the western and north-western regions, and light anticyclonic breezes in Russia. No general change in direction during day, but increasing to a high wind from East at Nice and from the Southward at Toulouse. A strong Northerly breeze springing up at Cape de Garde, and a strong breeze from the Westward at San Fernando.

Barometer in morning above 30.3 ins. between Norway and Iceland, and above 30.2 ins. in central Russia; below 29.6 ins. in a large shallow depression over the Bay of Biscay region, and relatively low in some disturbances elsewhere. Pressure giving way decidedly later over central Russia, but very little change occurring in other parts of our area. Barometer falling slowly over these Islands and France.

Monday, 16th May, 1910.

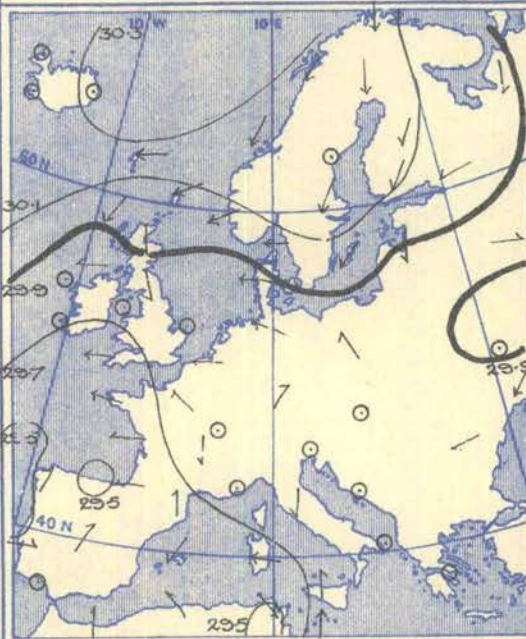
Temperature and Weather.

7 a.m.

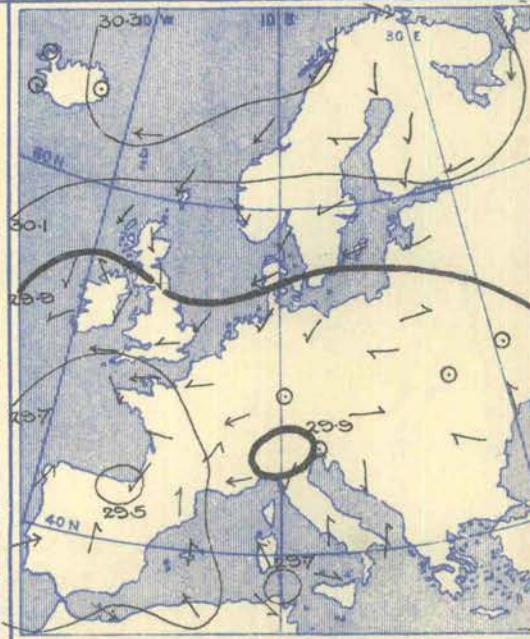


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over the major portion of our area, but foggy on the south-east coast of England and on the coast of Holland, and also at Nairn, and rainy at some stations in the south-east of France, at Algiers, and Donaghadee; snow falling at Archangel. A little rain later in some parts of these Islands, with thunderstorms locally in the southern districts. Heavier falls in places scattered over a wide area on the Continent; 0.5 in. at Lugano and Turin, and 0.75 in. at Madrid. A thunderstorm at Nantes and Paris.

Temperature risen over the United Kingdom and its neighbourhood, fallen in Sweden. Morning readings ranging from 75° at Sfax, 72° at Palermo, and above 60° in many other southern localities and over Germany and a large part of Russia, to below 50° at some Scottish stations and in the far north of Europe, and to 30° at Vardö. Rising during day to 77° at Oban, 75° in some parts of Wales, and about 70° in many English districts, but remaining below 50° in the north-east of Scotland. Maxima above 70° very generally in central and southern Europe and on the south-west coast of Norway.

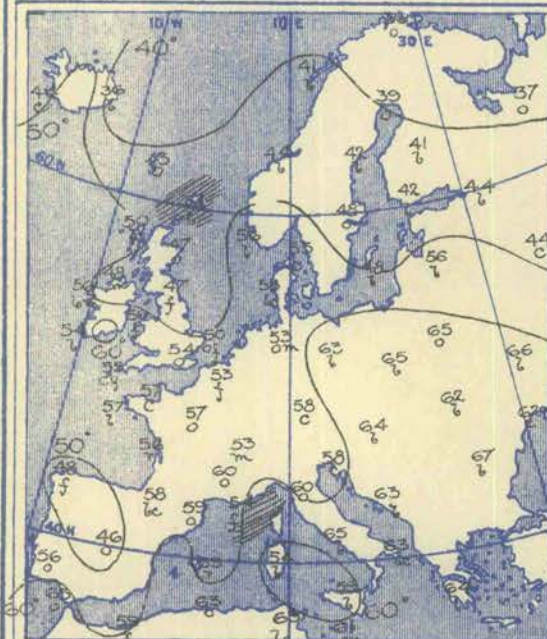
Wind in morning showing an extensive, but rather irregular, cyclonic circulation over the south-west of our area, and anticyclonic breezes in the north and north-east. North-Easterly current fresh to strong in Shetland and at Wisby, some fresh and strong breezes prevailing from the Southward on the Mediterranean, and a high wind from South-East at Toulouse. No change of importance later in day.

Barometer in morning ranging from above 30.3 ins. in an anticyclonic system between Norway and Iceland to below 29.5 ins. in a small depression over Tunis, and also in a larger one to the westward of Spain and Portugal. Little modification occurring later in the general distribution of pressure. Western depression advancing eastward, and that over Tunis disappearing.

Tuesday, 17th May, 1910.

Temperature and Weather.

7 a.m.

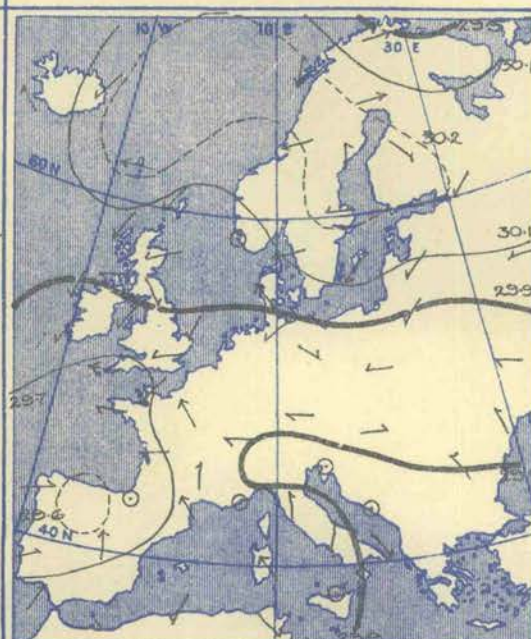


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright generally, but misty or foggy along the east coast of Britain, on the Dutch coast, and at Cornua, and rainy at Karistad, Lugano, in the south-west of France, at Palma, and in the west of Algeria. Rain later in most parts of England and the nearer regions of the Continent, as much as 0.9 in. at Scilly, and about 0.5 in. at Dover and on the opposite coast of France. Thunderstorms occurring at some places in the south-west of these Islands.

Temperature fallen in Russia and Sweden, risen in Ireland, changed rather irregularly as a whole. Morning readings ranging from 70° at Sfax, 67° at Bucharest, and above 60° over a large area in the southern half of Europe, to below 50° in the north-east of Britain and over a wide district in northern Europe, and to below 40° in the extreme north. Maxima during day 50° or below in the east and north-east of Scotland, but 72° at Oban, about the same figure in some parts of Ireland and Wales, and above 65° at various stations in England. Thermometer rising to 81° at Bucharest and to above 75° in many parts of central and southern Europe.

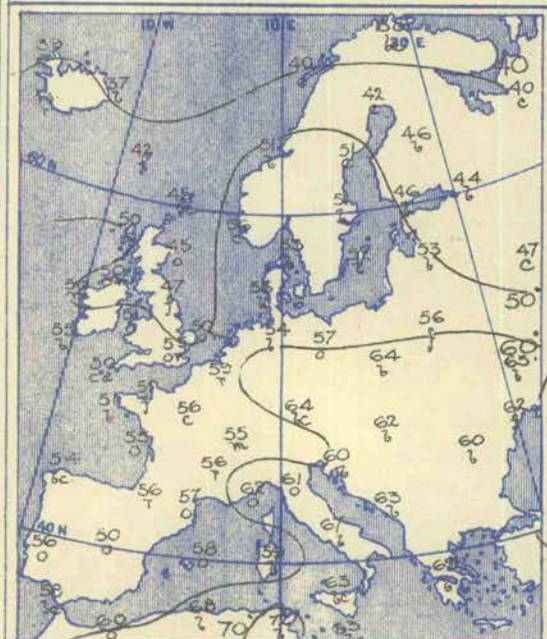
Wind in morning mainly from between North and East over all the north-western countries, and from the South-Westward in Portugal. Light or moderate generally, but fresh in a few places. Light variable breezes prevailing in the south and east of our area. No change of importance later.

Barometer in morning ranging from above 30.8 ins. in the north of Scandinavia to below 29.6 ins. in a large area of low pressure centred over the Bay of Biscay. Very little modification occurring later in the general distribution of pressure, but barometer falling slowly within the region of highest pressure and also over these Islands; rising somewhat in the Spanish Peninsula and the west of France.

Wednesday, 18th May, 1910.

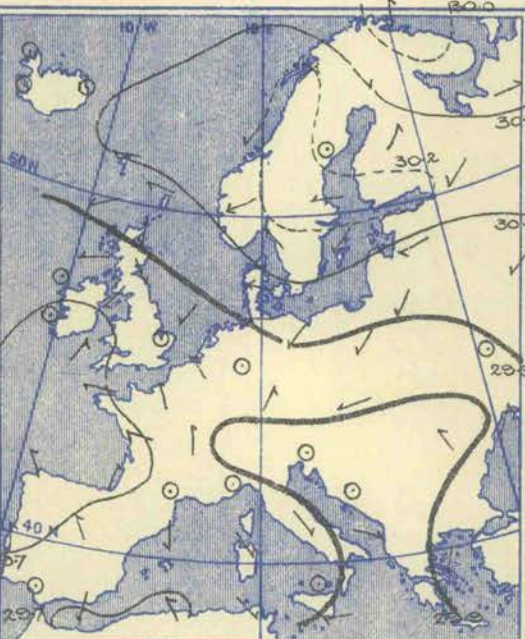
Temperature and Weather.

7 a.m.

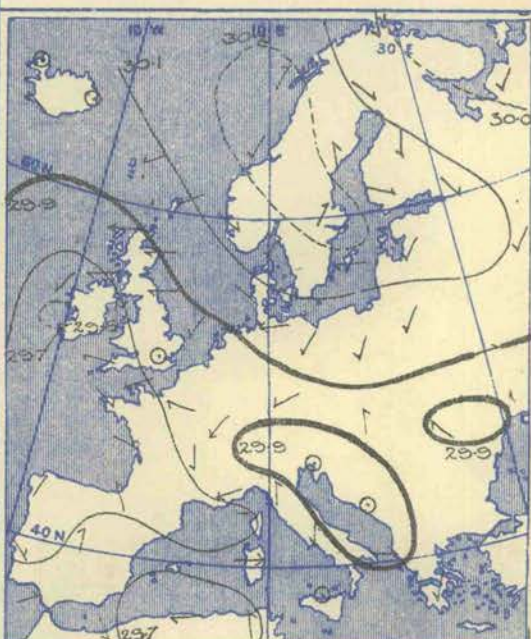


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in several parts of England, and foggy or misty along the east and north-east coasts; rain also falling at Brussels and in some French localities. Fair to fine and bright in most other regions. Thunderstorms later in the south of Ireland and the south-east of England, and also at some French stations. Rather heavy rain in many parts of these Islands, and heavy falls in the south of France, at Lisbon, and Palma, and also in some parts of Algeria.

Temperature fallen in the north and west of these Islands and in France, risen in Scandinavia. Morning readings ranging from 69° at Athens, 68° at Algiers, and 67° at Leghorn, to below 50° in the northern half of Britain and over a large area in northern Europe, and to 38° at Vardö. Readings above 60° over the greater portion of central Europe. Maxima during day 60° in London and some other English stations, and also in the south-west of Ireland, 72° at Oban but only 50° at North Shields and Aberdeen. Thermometer rising to 86° at Florence, 84° at Bucharest, and between 70° and 80° over most parts of central and southern Europe, but only touching 50° at Lisbon.

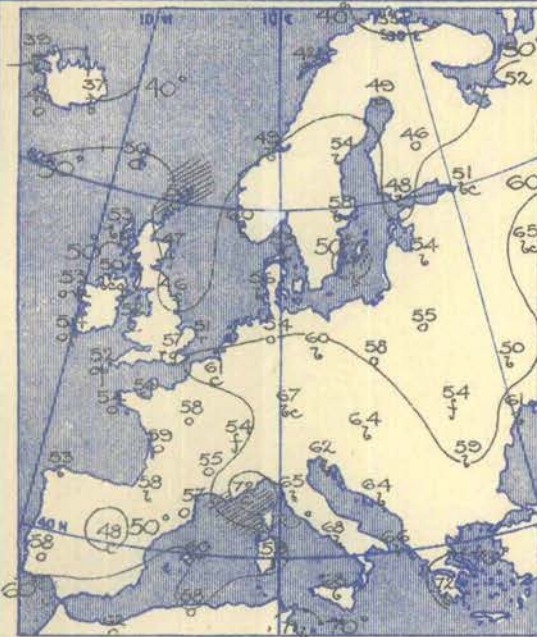
Wind in morning variable in the south and east of our area, but mainly between North and East, over all the more northern and western countries. Fresh on some shores of the Baltic and at Spurn Head, but light or moderate generally. No great change later over a large area, but increasing to a strong breeze from the Eastward on the south-east coast of France, at Toulouse, and also at Fanö.

Barometer in morning above 30.2 ins. in an anticyclone covering a large portion of Scandinavia; below 29.7 ins. in a very large shallow depression over the west of France, the Spanish Peninsula, the west of these Islands, and a considerable part of the adjacent ocean, and also in another system over Algeria and Tunis. Not much change later in the general distribution of pressure, but barometer falling over the United Kingdom and Iceland, as well as in the north of Scandinavia, and rising over the Baltic region.

Thursday, 19th May, 1910.

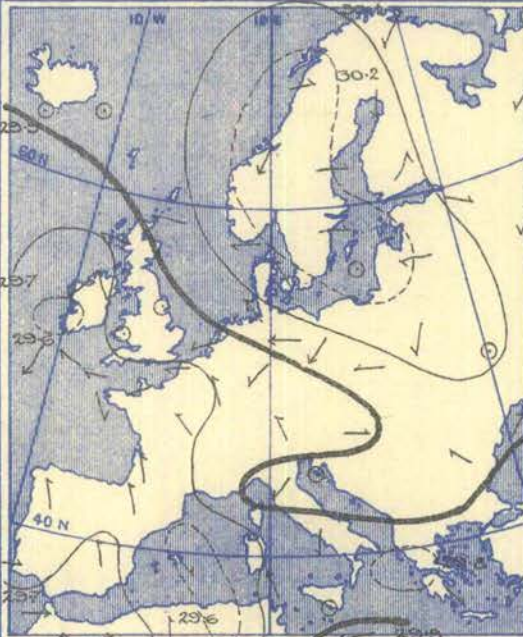
Temperature and Weather.

7 a.m.

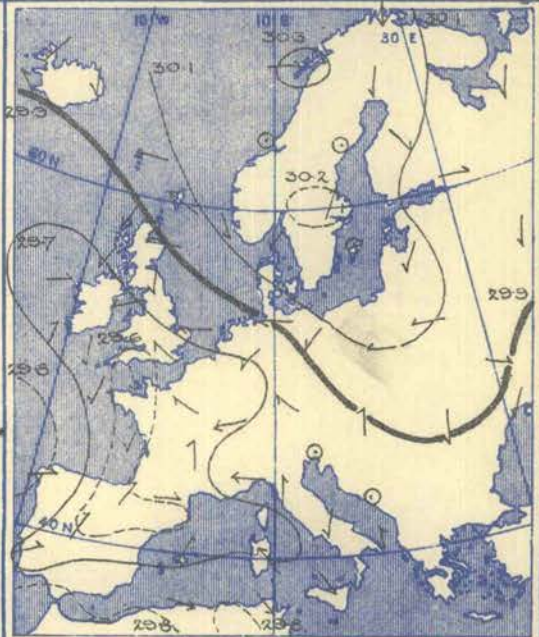


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine generally, but rainy in some parts of England and France, as well as at Castletown, Barcelona, and Palma, and snow falling at Vardö. Fog still prevalent on the north-east coast of Britain. Some rain later in nearly all parts of these Islands, as much as 0.5 in. at Jersey and Portland Bill, and thunderstorms in several parts of England. Considerable or heavy falls of rain in various parts of France, the Spanish Peninsula, Algeria, Sicily, and Little Russia. Thunderstorms at Paris and at some other French stations.

Temperature changed rather irregularly. Morning readings ranging from 72° at Athens, 71° at Stax, 70° at Sanguinaire, and above 65° at some other southern stations, to below 50° at some places in the north and east of these Islands and in the north of Scandinavia, and to 38° at Vardö. Rising later to about 70° in some parts of these Islands, to between 70° and 80° very generally in central and southern Europe, to slightly above 80° in places, and to 87° at Florence. Maximum only 50° at North Shields and Aberdeen.

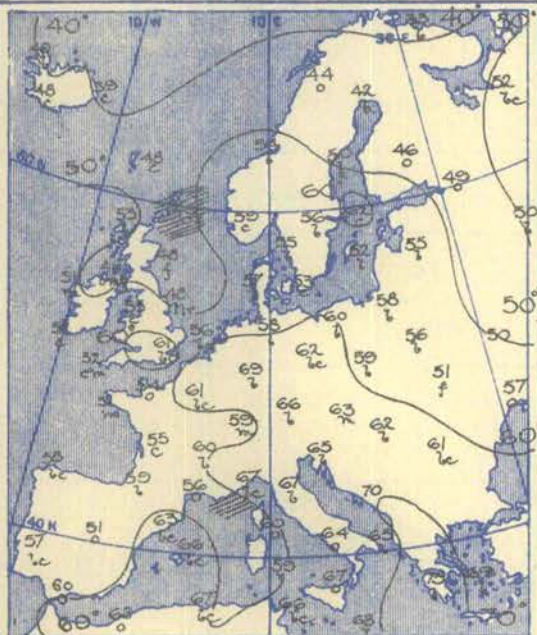
Wind in morning showing an extensive anticyclonic circulation over the north and north-east of Europe, and cyclonic movements in the south-west and south of our area. Little force generally, but South-Easterly current blowing freshly or strongly on the coast of Jutland and in the Hebrides, and also on some shores of the Mediterranean. Scarcely any change later in day.

Barometer in morning above 30.2 ins. in a very large high pressure system having its maximum over Scandinavia, and below 29.7 ins. in an equally large area of low pressure, with two or three separate minima in the south and south-west of our area. General distribution of pressure undergoing very little change during day, but both high and low systems becoming somewhat modified in form.

Friday, 20th May, 1910.

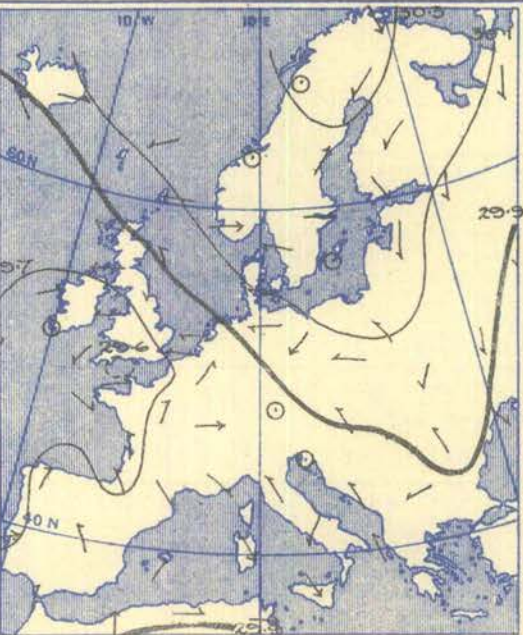
Temperature and Weather.

7 a.m.

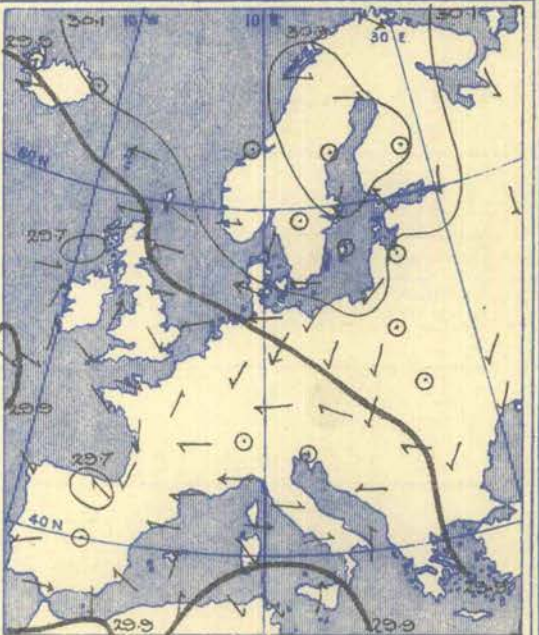


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over the greater part of the Continent and over a considerable portion of the United Kingdom, but misty or foggy on our north-east coast, with a thunderstorm at Shields, overcast in some other regions, and rainy at Turin, Cagliari, Malta, and Malaga. Thunderstorms later in various parts of Great Britain and France, and rain in places over a wide area. Rather heavy rain at Brussels, Nemours, at some Spanish stations, and at Turin, and as much as 1.4 in. at Florence.

Temperature changed rather slightly and irregularly; risen over England and the nearer part of the Continent, and also over the Baltic. Morning readings ranging from 75° at Patras, 69° at Frankfurt, and above 60° over a large area including some stations in the south of England, to 50° or below in the north of these Islands and in the north of Scandinavia. Lowest figure, 33° at Vardö. Maxima during day above 70° in many parts of England and Scotland, as high as 77° at Southport and 79° at Nottingham, but below 55° on the north-east coast. Thermometer rising to between 70° and 80° over a large area in the southern and central countries.

Wind in morning varying a good deal in direction, but generally cyclonic over all the western and southern countries, and anticyclonic in the east and north of our area. Scarcely any station reporting a greater force than a gentle or moderate breeze. No general change later in day.

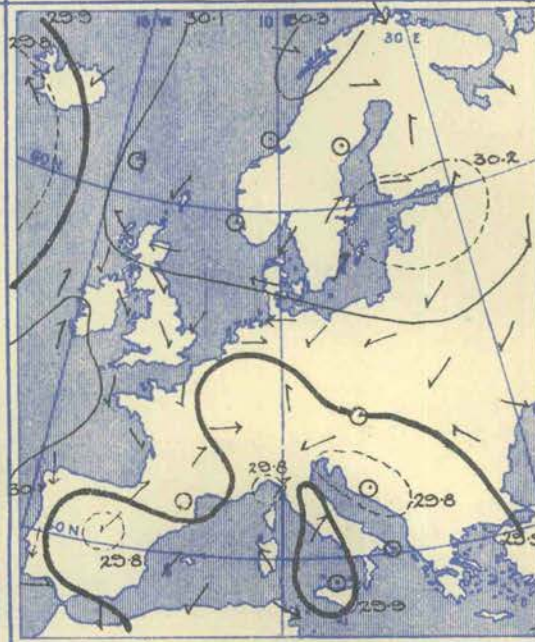
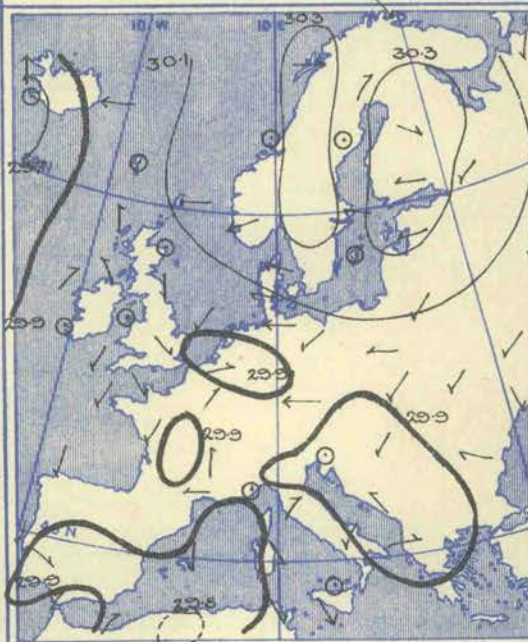
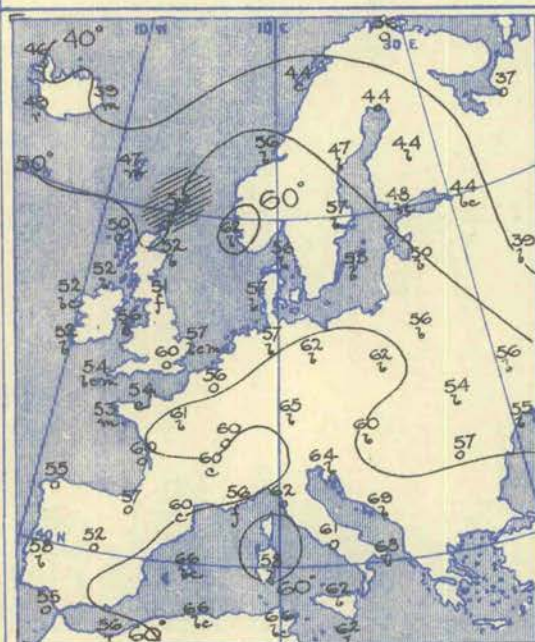
Barometer in morning above 30.3 ins. in a large anticyclonic system having its maximum over northern Scandinavia or beyond; lowest, below 29.7 ins., in a large shallow depression covering the Bay of Biscay, Brittany, the southern parts of England and Ireland, and extending some distance on the Atlantic. Northern anticyclone taking up a more southerly position by evening, and the main low pressure system moving eastward, undergoing considerable modification in form, and tending to decrease in intensity.

Temperature and Weather.

Barometer and Wind.

7 a.m.

6 p.m.



Wind in morning light in force generally, and somewhat variable in direction, but mainly cyclonic over the southern half of our area, and anticyclonic in the northern regions. A Southerly gale prevailing in the north-west of Iceland. No great change occurring later over Europe as a whole, but a well-marked cyclonic circulation setting in over the Spanish Peninsula.

Temperature fallen over most of England and in the north-east of Europe. Morning readings ranging from below 40° at Varde, Archangel, and Moscow to about 60° in some parts of England and over the greater part of France and Italy, and to above 65° at several stations in the far south; highest readings, 68° at Brindisi and 69° at Pesaro. Maxima during day about 70° in several English localities, but not much above 55° in the north-east. Thermometer rising to above 75° over a large portion of the Continent, to 79° at Athens, and to above 80° in Algeria.

Barometer in morning above 30·3 ins. over Finland and a considerable portion of Scandinavia; below 29·9 ins. in three separate depressions over the more central and southern countries, and below 29·7 ins. off the south-west of Iceland. Northern high pressure system extending more towards these islands during day, and pressure becoming relatively high off the south-west coasts of this country. A low pressure system developing over central Spain by evening.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees $90^{\circ}=\text{E.}$ $180^{\circ}=\text{S.}$ $270^{\circ}=\text{W.}$ and $360^{\circ}=\text{N.}$) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. May 15th, 11.20 a.m. to 12.10 p.m.	Brighton, 115 m.	{ Temperature Humidity Wind	289° 75% 85, 7	288° 70% 90°, 10	287° 60% 110°, 10					286° 60% 110°, 10	Metres. 700 Clear Sky.

No. of Ascent.

1

No. of Kites.. ..	1
Area of Surface (metres) ..	7
Length of Wire (metres) ..	1,160

Wind Direction (in Degrees, 90° = E, 180° = S, 270° = W, 360° = N) and Velocity, Metres per Second.

[illegible]

NOTES.—1. Registering balloon. Two theodolites, but the last few observations give discordant results. Entered clouds at about 2,500 m.
2. Registering balloon. Two theodolites. Lost in haze after 10 minutes.
Balloons at 7.0 a.m. on May 18th and 6.50 a.m. on May 19th were lost in clouds at once.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 21.
Vol. XXVII. (New Series.)

TWENTY-FIRST WEEK, SUNDAY, MAY 22ND, TO SATURDAY, MAY 28TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was dry during the greater part of the week, and often fine and bright, but in Scotland and the north-east of England there was a good deal of cloud. Fog and mist were experienced at times on various parts of the coast. Thunder was heard at a few places in the south-west of England early in the week, and thunderstorms (heavy locally) occurred at many stations in the south-east and east of England on Saturday.

Temperature was above the average, the excess amounting to more than 4° in England S.W., Ireland S., and Scotland W., and to more than 3° in most other districts. The highest of the maxima were recorded at most stations either on the 23rd or 24th, and ranged from 77° in England E., S.E., and S.W. and Scotland W. to 73° in the most northern and south-western districts, and to 71° in Ireland N. The lowest of the minima, which were generally registered on the 26th, ranged from 34° in Scotland E., and 35° in the Midland Counties and England N.W. to 45° in England E. and to 46° in the English Channel. The lowest readings on the grass were 28° at Crathes, 29° at Hereford, Llangammarch Wells and Newton Rigg, 30° at Harrogate, 31° at Durham and Southport, and 32° at Balmoral and Burnley.

Mean Temperature of the Sea.—As a rule the temperature was rather higher than during the corresponding week of last year. The means for the week varied from 57° at Eastbourne and 56° at Margate, Newquay and Seafeld to 48° at Wick, Aberdeen and Scarborough and to 45° at Burnmouth.

Rainfall was less than the average in all districts, the fall being less than 0.1 inch in several parts of the country. In the English Channel the week was rainless. At Southend-on-Sea on Saturday, during a thunderstorm, as much as 0.71 inch fell in 30 minutes.

Bright Sunshine exceeded the average generally, but was below it in the north and east of Scotland and the north-east of England and only just equal to it in the west of Scotland. The percentage of the possible duration ranged from 61 in England S.W., 57 in the English Channel, and 56 in England S.E. to 36 and 29 respectively in Scotland E. and N.

Barometer and Wind.—Soon after the commencement of the week an anticyclonic system began to extend over these Islands from the south-westward; during the earlier days it affected the northern districts, but later it covered the whole Kingdom for a time, and at the end of the period was withdrawing in a south-westerly direction, while the northern districts were coming under the influence of a large depression over the Icelandic region. The wind, which was generally light in force, blew from some Northerly point until after the middle of the period, when it shifted to the North-Westward, and finally to the Westward.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 172.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth	...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very unusual	Unusual	Very unusual	Unusual
	Rainfall	...	Moderate	Light	Light	Light	Very light	Very light	Light	Very light	Light	Light	Very light	Nought
	Sunshine	...	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate	Abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 12 weeks from March 6th, 1910.	Warmth ...	5 * 4	3 * 3	6 * 1	4 * 3	5 * 5	4 * 6	4 * 3	4 * 2	3 * 5	4 * 4	3 * 4	3 * 4
		4 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 4	4 * 5	3 * 5	2 * 4	3 * 4	5 * 4	4 * 3
	Sunshine ...	5 * 1	3 * 2	2 * 4	4 * 3	6 * 4	5 * 4	3 * 3	4 * 2	4 * 2	2 * 4	3 * 4	4 * 6

PAST SEASONS.

SPRING, 1909. Mar. 7th–June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
		3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

TWENTY-FIRST WEEK—May 22nd to May 28th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg.	Day-deg.			Inches.	Inches.			%	%	
0. SCOTLAND, NORTH	73	38	58.6	46.3	52.1	+ 3.4	71	+ 19	0	- 4	3	- 1	0.34	- 0.23	34	- 5	29	- 4
Eastern																		
1. SCOTLAND, EAST	73	34	61.9	45.5	53.2	+ 3.6	78	+ 19	0	- 4	2	- 1	0.10	- 0.41	42	- 1	36	- 1
2. ENGLAND, N.E.	75	36	61.6	45.7	53.2	+ 2.5	78	+ 16	0	- 1	1	- 2	0.07	- 0.33	43	- 2	38	- 2
3. ENGLAND, EAST	77	45	64.2	49.1	56.2	+ 3.5	99	+ 22	0	- 1	1	- 2	0.13	- 0.31	53	+ 5	48	+ 5
4. MIDLAND COUNTIES	76	35	66.7	46.8	56.1	+ 3.5	99	+ 22	0	- 2	1	- 2	0.03	- 0.46	51	+ 8	45	+ 7
5. ENGLAND, S.E.	77	42	66.0	49.6	57.3	+ 3.3	107	+ 22	0	0	1	- 2	0.07	- 0.37	62	+ 14	56	+ 12
Western																		
6. SCOTLAND, WEST	77	41	63.9	48.2	55.6	+ 4.4	95	+ 28	0	- 2	3	- 1	0.19	- 0.45	46	0	41	0
7. ENGLAND, N.W.	76	35	63.6	47.4	55.1	+ 3.0	92	+ 20	0	- 1	2	- 1	0.09	- 0.43	59	+ 13	52	+ 11
8. ENGLAND, S.W.	77	36	66.9	49.4	57.6	+ 4.5	109	+ 30	0	- 1	1	- 2	0.11	- 0.39	67	+ 19	61	+ 17
9. IRELAND, NORTH	71	43	61.7	48.1	54.5	+ 2.9	88	+ 20	0	- 1	2	- 2	0.18	- 0.36	46	+ 1	40	+ 1
10. IRELAND, SOUTH	76	42	66.3	50.0	57.7	+ 4.7	110	+ 33	0	0	1	- 2	0.06	- 0.51	58	+ 10	52	+ 9
11. ENGLISH CHANNEL	73	40	62.8	53.5	56.3	+ 2.0	100	+ 14	0	0	0	- 3	0.00	- 0.49	62	+ 5	57	+ 5
THE SEASON (Spring).—Aggregates, &c., for the Period of 12 Weeks, March 6th to May 28th, 1910.																		
0. SCOTLAND, NORTH	73	20	*	*	*	*	358	+ 30	208	- 15	55	+ 1	11.66	+ 2.34	373	+ 6	32	+ 1
Eastern																		
1. SCOTLAND, EAST	74	22	*	*	*	*	402	+ 6	225	- 15	44	- 1	6.22	+ 0.43	399	- 1	34	0
2. ENGLAND, N.E.	80	24	*	*	*	*	472	+ 73	153	- 21	42	+ 1	4.64	- 0.02	407	- 24	35	- 2
3. ENGLAND, EAST	83	21	*	*	*	*	550	+ 37	144	- 38	41	+ 2	5.63	+ 1.14	470	+ 21	41	+ 2
4. MIDLAND COUNTIES	79	23	*	*	*	*	559	+ 32	185	- 11	42	+ 4	4.50	- 0.53	416	+ 12	36	+ 1
5. ENGLAND, S.E.	77	22	*	*	*	*	566	+ 12	116	- 6	43	+ 6	5.29	+ 0.59	479	+ 31	42	+ 3
Western																		
6. SCOTLAND, WEST	77	26	*	*	*	*	476	+ 49	141	- 21	50	+ 4	7.39	- 0.97	414	- 6	36	- 1
7. ENGLAND, N.W.	76	23	*	*	*	*	472	+ 24	119	- 16	48	+ 6	5.80	- 0.32	445	+ 35	39	+ 3
8. ENGLAND, S.W.	77	20	*	*	*	*	529	+ 4	99	- 3	42	+ 1	5.44	- 1.16	496	+ 43	44	+ 4
9. IRELAND, NORTH	71	26	*	*	*	*	465	+ 7	118	- 10	52	+ 2	3.46	- 0.42	379	- 20	33	- 2
10. IRELAND, SOUTH	78	25	*	*	*	*	564	+ 18	86	- 8	51	+ 6	6.89	- 0.49	416	- 24	37	- 2
11. ENGLISH CHANNEL	73	31	*	*	*	*	605	0	21	- 9	39	- 4	5.45	- 0.06	513	+ 4	48	0
THE YEAR.—Aggregates, &c., for the Period of 21 Weeks, January 2nd to May 28th, 1910.																		
0. SCOTLAND, NORTH	73	2	*	*	*	*	406	+ 18	595	+ 42	107	+ 7	23.36	+ 3.08	494	+ 39	29	+ 2
Eastern																		
1. SCOTLAND, EAST	74	- 10	*	*	*	*	460	- 4	634	+ 17	87	+ 7	12.23	+ 1.48	552	+ 28	33	+ 2
2. ENGLAND, N.E.	80	6	*	*	*	*	556	+ 77	454	- 21	83	+ 9	9.06	+ 1.01	564	+ 6	33	0
3. ENGLAND, EAST	83	17	*	*	*	*	670	+ 67	393	- 128	81	+ 8	9.98	+ 2.12	656	+ 70	39	+ 4
4. MIDLAND COUNTIES	79	10	*	*	*	*	666	+ 35	474	- 58	84	+ 13	9.77	+ 0.56	585	+ 62	34	+ 4
5. ENGLAND, S.E.	77	13	*	*	*	*	705	+ 33	294	- 87	86	+ 17	11.47	+ 2.32	664	+ 82	39	+ 5
Western																		
6. SCOTLAND, WEST	77	0	*	*	*	*	563	+ 47	432	+ 8	97	+ 11	18.71	+ 1.50	544	+ 18	32	+ 1
7. ENGLAND, N.W.	76	7	*	*	*	*	585	+ 43	333	- 48	98	+ 20	14.69	+ 2.90	602	+ 78	35	+ 5
8. ENGLAND, S.W.	77	8	*	*	*	*	689	+ 13	242	- 59	91	+ 14	15.32	+ 1.72	662	+ 74	39	+ 4
9. IRELAND, NORTH	71	7	*	*	*	*	596	+ 13	351	+ 6	105	+ 13	16.18	+ 2.77	513	- 4	30	0
10. IRELAND, SOUTH	78	18	*	*	*	*	748	+ 16	258	- 1	105	+ 22	17.59	+ 2.66	565	- 10	33	- 1
11. ENGLISH CHANNEL	73	28	*	*	*	*	838	+ 14	54	- 55	89	+ 5	13.93	+ 2.57	731	+ 24	43	+ 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *α*, and at the hour of evening observation (9 p.m.) at Stations marked *β*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *α* is supplied by the Royal Meteorological Society, and that for Stations marked *β* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.							Rainfall.				Bright Sunshine.				NAMES OF STATIONS.		
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.											Above 42°.	Below 42°.
0. SCOTLAND, N.	a, Islands.	p Balta Sound	63	22nd	42	27th	54.5	48.9	48.9	48	0	4	0.54	—	34.8	—	23	—	Balta Sound.	
		a Sumburgh Head	62	22nd	41	24th	53.1	43.7	48.1	43	0	3	0.26	—	40.4	+ 0.4	34	0	Deerness.	
		a Stornoway	68	25th	41	25th	59.6	46.0	52.4	73	0	4	0.22	—	46.3	+ 2.4	39	+ 2	Stornoway.	
		a Castletay, Barra Isd.	63	24th	43	22, 24, 28th	58.0	48.6	53.0	77	0	4	0.16	—	59.4	—	51	—	Castletay.	
	b, Main-land.	a Wick	60	22nd	39	25th	56.6	44.3	50.1	57	0	3	0.38	—	29.5	—	25	—	Strathpeffer.	
		p Strathpeffer	69	25th	38	25th	60.5	47.1	53.4	80	0	2	0.29	—	29.5	—	25	—	Strathpeffer.	
		p Glencarron	68	25th	39	25th	58.4	46.3	52.0	70	0	5	0.64	—	29.5	—	25	—	Fort Augustus.	
		p Fort Augustus	73	25th	42	25th	59.9	47.8	53.5	81	0	1	0.22	—	18.7	—	16	—	Fort Augustus.	
	p Fort William	68	25th	42	25th	62.3	49.2	55.4	94	0	4	0.37	—	29.5	—	25	—	Fort Augustus.		
1. SCOTLAND, E.		p Gordon Castle	71	25th	35	25th	61.6	43.5	52.0	79	0	3	0.16	—	33.7	—	29	—	Gordon Castle.	
		a Nairn	65	25th	34	25th	59.9	46.1	52.6	74	0	4	0.17	—	29.1	—	25	—	Nairn.	
		a Aberdeen	70	26th	39	25th	61.0	45.7	52.9	76	0	3	0.34	—	31.2	+ 3.9	40	+ 3	Aberdeen.	
		a Balmoral	71	25th	35	25th	64.9	47.1	55.5	95	0	0	0.00	—	39.2	—	31	—	Crathes S.	
		p Crieff	73	25th	45	25th, 26th	66.0	47.2	56.0	98	0	2	0.02	—	43.4	—	37	—	Balruidery.	
		a Leith	68	27th	39	25th	59.9	46.1	52.6	74	0	1	0.01	—	39.2	—	31	—	Edinburgh.	
		a West Linton	66	22nd, 26th	39	25th	61.0	43.9	51.9	69	0	2	0.01	—	45.6	—	40	—	West Linton.	
		p Marchmont	69	26th	38	22nd	61.0	44.3	52.2	71	0	1	0.03	—	51.4	+10.4	45	+ 9	Marchmont.	
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	75	26th	38	26th	62.2	45.5	53.4	80	0	1	0.05	—	52.1	—	46	—	Cockle Park.	
		a Shields	71	26th	38	26th	58.1	42.6	49.9	55	0	3	0.05	—	35.4	+ 2.4	31	+ 2	Newcastle.	
		p Durham	70	26th	36	26th	60.5	44.7	52.1	71	0	1	0.04	—	42.9	+ 3.7	38	+ 3	Durham.	
		p Rounton	71	26th	36	26th	59.0	44.9	51.5	67	0	1	0.12	—	42.9	+ 3.7	38	+ 3	Rounton.	
	b, South.	p Scarborough	72	26th	44	26th	61.6	47.2	54.0	84	0	2	0.11	—	34.8	—	31	—	Scarborough.	
		p York	75	23rd	39	26th	66.6	46.7	56.1	99	0	2	0.14	—	44.3	+ 3.7	39	+ 3	York.	
		a Spurn Head	62	26th	45	25, 26, 27th	56.9	47.4	51.9	69	0	1	0.02	—	43.4	—	39	—	Spurn Head.	
		a Lincoln	73	23rd	44	26th	64.4	46.5	54.9	90	0	1	0.04	—	43.7	—	39	—	Lincoln.	
	a Fulbeck	75	23rd	44	23rd, 26th	65.1	46.0	55.0	91	0	1	0.04	—	40.7	—	36	—	Fulbeck.		
3. ENGLAND, E.	a, North.	p Cromer	72	22nd, 23rd	46	25th, 26th	64.8	47.9	55.8	97	0	1	0.01	—	41.9	—	37	—	Cromer.	
		p Hillington	68	28th	47	26th, 27th	57.9	49.9	53.7	82	0	1	0.30	—	57.1	—	51	—	Hillington.	
		a Yarmouth	73	22nd	46	26th	64.0	49.3	56.2	99	0	1	0.13	—	57.1	—	51	—	Yarmouth.	
		a Norwich	70	28th	46	26th	62.8	49.3	55.7	96	0	1	0.15	—	50.3	+ 0.5	45	0	Norwich.	
	b, South.	p Geldeston	76	22nd	46	26th	67.0	48.1	57.0	105	0	1	0.05	—	48.1	+ 1.6	43	+ 1	Geldeston.	
		p Cambridge	69	28th	47	26th, 27th	62.7	49.9	55.9	97	0	1	0.10	—	67.0	—	60	—	Cambridge.	
		a Felixstowe	69	22nd	47	26th	63.9	50.3	56.7	103	0	1	0.17	—	64.5	—	58	—	Felixstowe.	
		a Clacton-on-Sea	74	22nd	45	26th	65.5	48.2	56.3	100	0	1	0.14	—	48.5	+ 3.2	44	+ 3	Clacton.	
	a Rothamsted	73	28th	46	26th	64.9	50.3	57.2	106	0	1	0.01	—	57.2	—	53	—	Rothamsted.		
	a Shoburghness	77	22nd	46	26th, 27th	68.0	49.5	58.2	113	0	1	0.06	—	59.8	—	54	—	Southend.		
	p Tottenham	77	22nd	46	26th, 27th	68.0	49.5	58.2	113	0	1	0.06	—	59.8	—	54	—	Tottenham.		
4. MIDLAND COUNTIES.	a, East.	a Harrogate	74	26th	35	26th	64.3	45.1	54.1	85	0	0	0.00	—	48.2	—	43	—	Harrogate.	
		a Bawtry	75	23rd	38	26th	65.9	45.1	54.9	90	0	1	0.10	—	41.2	+ 2.2	37	+ 2	Bawtry.	
		p Buxton	73	22nd	40	26th	63.9	44.0	53.4	80	0	1	0.20	—	66.6	—	60	—	Buxton.	
		a Nottingham	73	23rd	43	26th	64.9	48.1	56.0	98	0	1	0.03	—	44.6	—	40	—	Nottingham.	
	b, West.	p Birmingham, Edgbn	75	23rd	43	26th	66.5	46.7	56.0	98	0	1	0.10	—	42.2	—	38	—	Birmingham.	
		a Raunds	75	23rd	44	26th	67.0	48.1	57.0	105	0	1	0.07	—	47.3	+12.3	52	+11	Raunds.	
		a Oxford	73	22nd, 23rd	40	26th	64.3	46.4	55.1	92	0	1	0.02	—	47.3	—	42	—	Oxford.	
		a Cheadle	76	23rd	40	26th	68.5	46.5	56.3	104	0	1	0.03	—	47.3	—	42	—	Cheadle.	
	p Shrewsbury	74	23rd	41	26th	70.7	47.3	58.3	114	0	1	0.09	—	47.3	—	42	—	Shrewsbury.		
	a Hereford	73	22nd, 23rd	41	26th	66.6	46.4	55.9	97	0	2	0.11	—	59.1	+12.1	53	+11	Hereford.		
	a Cirencester	75	23rd	43	26th	68.9	48.3	58.0	112	0	1	0.02	—	44.9	—	39	—	Cirencester.		
	a Bath	75	23rd	43	26th	68.9	48.3	58.0	112	0	1	0.02	—	44.9	—	39	—	Bath.		
5. ENGLAND, S.E.		p Kew	75	22nd	46	26th	66.7	50.3	58.0	112	0	1	0.13	—	69.7	+14.6	55	+13	Kew.	
		a Marlborough	75	23rd	42	24th, 26th	67.2	45.9	55.9	97	0	1	0.07	—	57.8	+15.0	53	+14	Marlborough.	
		a Margate	73	28th	47	26th	69.4	49.8	54.8	90	0	1	0.30	—	52.7	+ 7.6	48	+ 7	Margate.	
		a Wisley, Surrey	75	22nd, 23rd	46	26th	67.8	48.8	57.7	110	0	1	0.09	—	62.6	—	57	—	Wisley.	
		a Swaraton	74	23rd	44	26th	66.8	48.4	57.1	106	0	1	0.02	—	73.3	—	67	—	Swaraton.	
		a Tunbridge Wells	71	22nd, 23rd	44	26th	66.4	48.4	56.9	104	0	1	0.04	—	59.5	+12.2	54	+11	Tunbridge Wells.	
		a Dungeness	66	22nd	43	27th	61.9	50.3	55.8	97	0	1	0.02	—	53.7	—	49	—	Dungeness.	
		p Hastings	71	23rd	46	26th	65.2	50.7	57.5	109	0	1	0.04	—	63.2	+ 8.1	57	+ 7	Hastings.	
	p Southampton	77	23rd	46	26th	70.3	51.2	60.2	127	0	1	0.01	—	64.4	+16.2	60	+15	Southampton.		
	a Ventnor	73	22nd, 23rd	45	26th	67.5	52.0	59.3	121	0	0	0.00	—	66.0	+14.6	61	+13	Ventnor.		
LONDON		a Westminster	76	22nd	46	26th	67.7	50.0	58.3	114	0	1	0.08	—	61.5	+ 9.8	56	+ 9	Westminster.	
		a Greenwich	78	28th	46	26th	69.1	49.6	58.8	118	0	1	0.13	—	60.2	+17.4	55	+16	Greenwich.	
		a, SCOTLAND, W.	a Laundale	68	23, 24, 25th	46	25th	61.6	48.7	54.8	90	0	4	0.31	—	30.0	—	26	—	Laundale.
			a Poltalloch	70	22nd, 25th	47	25th, 26th	63.4	43.3	55.9	97	0	2	0.13	—	43.3	—	34	—	Poltalloch.
			p Glasgow	73	25th	46	26th	63.1	49.6	56.0	98	0	3	0.34	—	31.2	—	34	—	Glasgow.

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	50·7	—	Harrogate	1	30	51·9	49·4	6. Dumfries	0	38	58·4	51·6
1. Aberdeen	—	—	—	46·9	Huddersfield	0	35	54·7	47·0	Douglas	0	41	—	—
Crathes	1	28	54·3	47·9	Buxton	0	32	53·3	46·3	Aspatia	0	36	57·9	48·7
Balmoral	0	32	—	—	Sheffield	0	36	53·2	47·4	Newton Rigg	1	29	56·2	49·3
West Linton	0	34	—	—	Nottingham	0	36	56·2	50·3	Burnley	0	32	55·2	47·2
Marchmont	0	35	53·0	—	Birmingham	0	39	51·8	47·0	Southport	0	31	58·1	53·2
Cockle Park	0	37	53·5	48·5	Oxford	0	—	—	—	Manchester City	0	41	56·0	49·6
Durham	0	31	—	—	Hereford	1	29	—	—	Bettws-y-Coed	0	41	53·9	48·6
York	—	—	54·5	49·2	Cirencester	0	38	55·3	50·1	Llangammarch Wells	1	29	55·3	48·5
Hull	0	44	55·3	47·9	Bath	0	43	55·3	51·3	Cardiff	0	40	57·9	50·7
Lincoln	—	—	56·7	50·4	Margate	0	37	—	—	Clifton	0	41	—	—
Rauceby	0	45	58·7	49·8	Greenwich	0	37	—	—	Plymouth	0	43	—	—
Norwich	0	45	—	—	Westminster	0	39	57·5	51·2	Armagh	0	37	56·9	50·7
Yarmouth	—	—	59·7	54·1	Kew	0	44	56·7	51·8	Markree	0	39	57·7	50·1
Lowestoft	0	45	57·7	52·5	Canterbury	0	38	59·1	—	Dublin, Trin. Coll. ..	0	37	55·8	51·0
Cambridge	0	40	57·7	52·8	Tunbridge Wells	0	40	58·0	52·6	Guernsey, Brooklyn	0	43	58·3	53·4
Clacton-on-Sea	0	36	57·5	53·3	Wisley	0	38	59·7	52·5					
Southend	0	46	58·3	—	Worthing	0	40	59·9	54·3					
Tottenham	0	42	—	52·3	Portsmouth	0	—	—	—					
					Glasgow	0	28	—	—					
					Rothsay	—	—	—	48·3					
					Colmonell	0	38	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	49	48	48·7	SCOTLAND, W.	Lamlash	52	51	51·4
	Kirkwall	51	48	49·7		Ballastra	51	50	50·8
	Wick	48	48	48·0	ENGLAND, N.W.	Port Erin	53	48	49·5
SCOTLAND, E.	Cromarty	52	50	51·1		Newquay	57	55	55·9
	Pennan Bay	55	49	51·8	ENGLAND, S.W.	Scilly	59	52	53·9
ENGLAND, N.E.	Aberdeen, Cove Bay	49	47	47·7		Plymouth	54	54	54·1
	Burnmouth, Berwick	47	44	45·4		Salcombe	57	52	53·5
ENGLAND, E.	Scarborough	50	46	47·8	IRELAND, N.W.	Sheephaven	56	52	54·3
	Shipwash Lightship	53	51	51·7		Teelin	60	52	55·2
ENGLAND, S.E.	Margate	57	56	56·4	IRELAND, S.W.	Cleggan	59	52	55·2
	Eastbourne	58	55	56·7	IRELAND, E.	Seafield	59	52	56·2

† Only one observation each day.

Registering Balloon Ascents.

Height km.	1 Pyrton Hill. April 14th, 1910. 7.0 a.m.		2 Pyrton Hill. April 14th, 1910. 5.0 p.m.		3 Ditcham Park, Petersfield. April 14th, 1910. 7.11 p.m.		Height km.
	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	
Ground	972	278	971	282	971	279	Ground
0·5	982	275·5	982	278	983	276·5	0·5
1·0	975	273·5	976	273	975	273	1·0
1·5	921	272	922	270	922	269·5	1·5
2·0	771	269	771	270	773	267·5	2·0
2·5	723	266	723	268	724	266	2·5
3·0	676	263·5	676	263	680	263	3·0
3·5	636	260·5	635	259·5	635	259·5	3·5
4·0	598	258	595	255·5	596	256	4·0
4·5	558	254	558	251	559	253	4·5
5·0	520	250	520	246·5	523	248	5·0
5·5	485	245	485	244	487	244	5·5
6·0	454	241·5	451	239	453	239·5	6·0
6·5	422	238·5	420	236	422	235·5	6·5
7·0	395	232	391	233	394	232·5	7·0
7·5	364	227	363	228	365	229·5	7·5
8·0	337	224	336	225	338	226	8·0
8·5	314	220·5	311	221	315	220·5	8·5
9·0	289	218	288	217	291	218	9·0
9·5	270	220·5	264	213	270	218	9·5
10·0	240	221·5	245	216	249	218	10·0
11·0	212	222·5	209	220	213	218	11·0
12·0	182	224	178	222	182	218	12·0
13·0	156	223	154	219·5	156	218	13·0
14·0	133	222·5	131	219·5	132	218	14·0
15·0			112	219·5	114	218	15·0

1.—Balloon fell near Spalding, distant 137 km. direction 64°. Mean Temperature Gradient (Ground to 8·5 km.) 70° per 100 metres. Commencement of Stratosphere at 8·6 kms. Temp. 220°. Inversion on one trace at 1·2 km. Very clear trace. 2.—Balloon fell at Grantham, distant 140 km. direction 10°. Mean Temperature Gradient (Ground to 9·5 km.) 72° per 100 metres. Inversion of 2·5° C. at 1·4 km., plainly shown on both traces. 3.—Place of fall unknown. No Wind observations. Mean Temperature Gradient (Ground to 8·5 km.) 0·60° per 100 metres. Temperature inversion 269° at 1·4 km. to 270° at 1·7 km.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

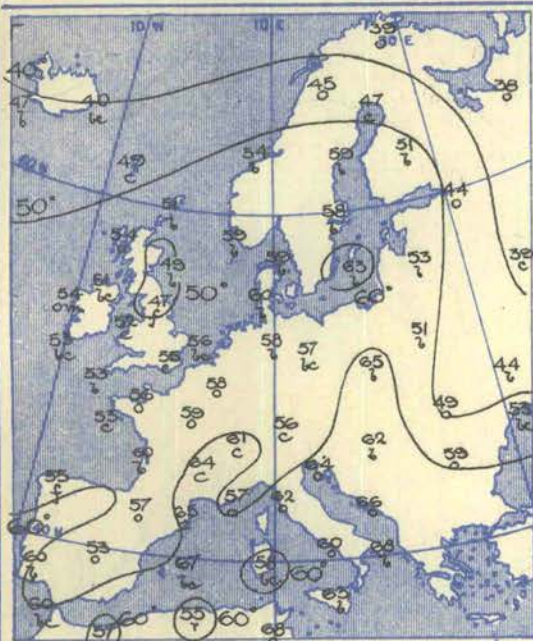
ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (300°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 139-143.

Sunday, 22nd May, 1910.

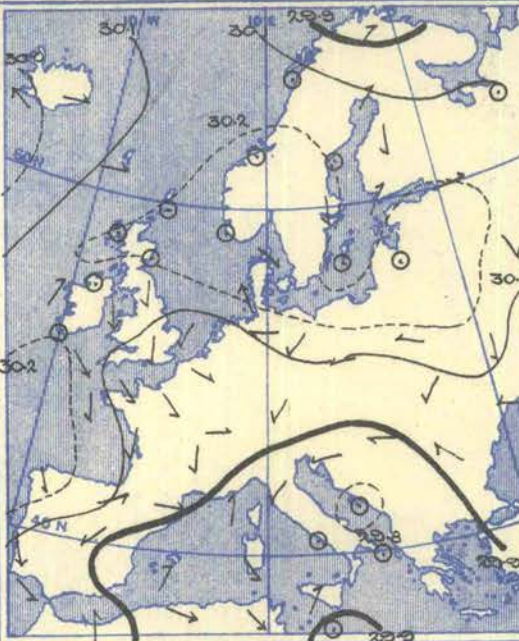
Temperature and Weather.

7 a.m.

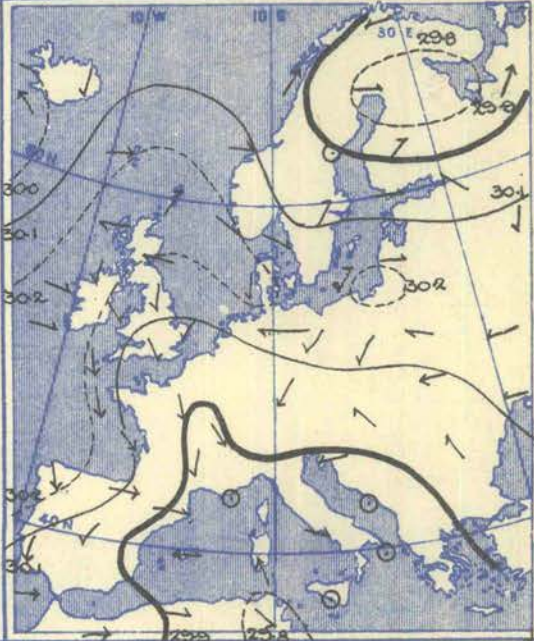


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy at Alicante and in some parts of Algeria, overcast in patches in some other regions, and foggy at Corunna, North Shields, and Nairn; fair to very fine generally. Severe thunderstorms and heavy rain experienced later in many parts of France, as much as 2.1 ins. of rain falling at Limoges. More than an inch at some places in Algeria, 0.5 in. at Turin, and 0.8 in. at Lugano.

Temperature fallen in most regions, risen in Sweden and Denmark. Morning readings ranging from 68° at Palermo and Brindisi, and about 65° at some other southern stations, to below 50° in the north-east of Great Britain and over a large area in the east and far north of the Continent, and to below 40° at St. Petersburg, Archangel, and Vardö. Rising later to 76° in London, 75° at Manchester, and to about 70° over a considerable portion of England. Thermometer rising to 70° or above in the south of Sweden, Denmark, nearly all parts of central and southern Europe, and to above 80° at a few stations in Italy and Greece, but only touching 59° at Croisette and 57° at Biarritz.

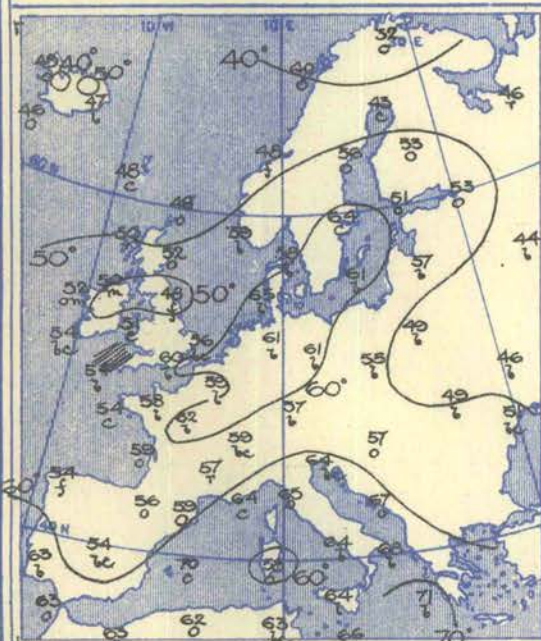
Wind in morning light and rather variable generally, but mainly from some Northerly point over these Islands, France, and Spain, and from the North-Eastward over the central countries. Increasing somewhat in force during day in many parts of our area; a cyclonic circulation developing in the extreme north of Europe.

Barometer in morning above 30.2 ins. in an irregularly shaped high pressure system extending from the north of Scotland eastward to Russia, and nearly as high off the south-west coasts of these Islands. Below 29.9 ins. in a depression in the far north of our area, and below 29.3 ins. in two other minima over the southern regions. A considerable modification taking place in the form, position, and intensity of the different pressure systems by evening. Barometer rising over the greater portion of the United Kingdom, falling in Scandinavia and also over Italy and France.

Monday, 23rd May, 1910.

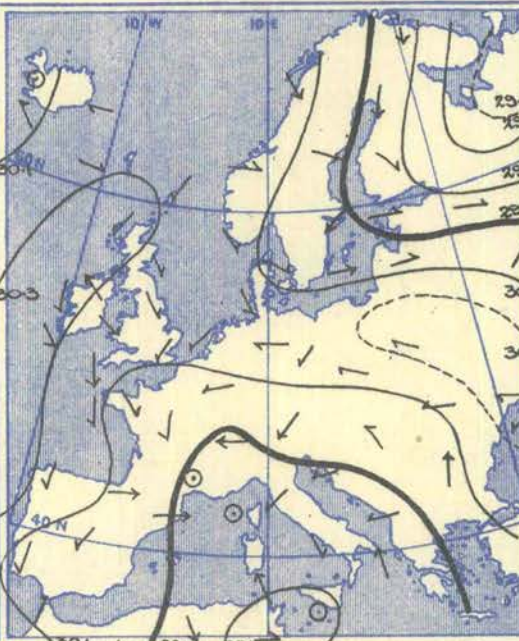
Temperature and Weather.

7 a.m.

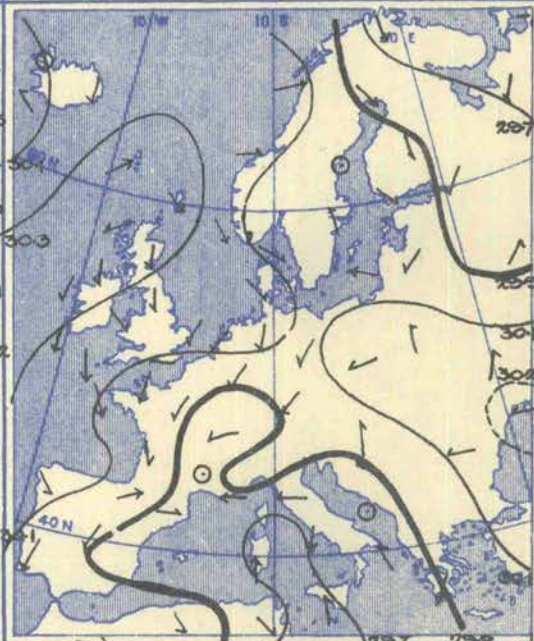


Barometer and Wind.

7 a.m.



6 p.m.



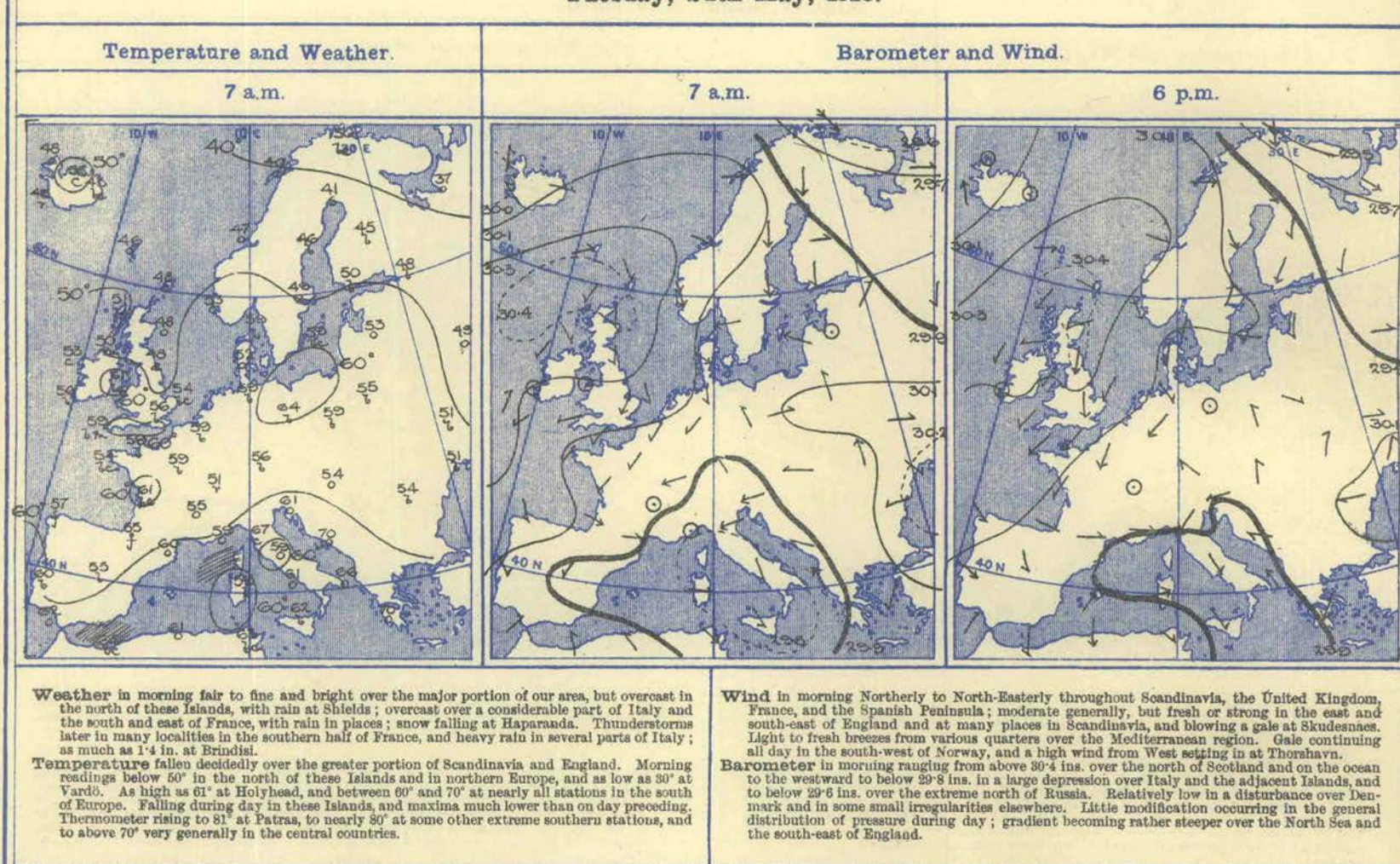
Weather in morning rainy at Stornoway, Lyons, in the north of Italy, and also at Archangel, and overcast in a few other localities, but fair to fine and bright generally. Fog prevailing at the mouth of the Tyne and at Corunna. Some rain, with thunderstorms, later in several parts of France, and rain in Switzerland, some Italian districts, and in the adjacent Islands, as well as in Algeria and at Barcelona; as much as 0.75 in. at Lugano and 2.0 ins. at Turin.

Temperature changed irregularly; risen in most parts of England. Readings in morning ranging from 71° at Patras, 70° at Palma, and about 60° over Germany and most of England, to about 50° in the north of these Islands, Poland, and a large portion of Russia, and to 32° at Vardö. Rising later to between 70° and 75° over a large area in England, and to 77° at Bournemouth, but only touching 52° at North Shields. Maxima above 75° at many stations in the south of our area, and about 80° in a few places, but only 57° at Biarritz and 64° at Algiers.

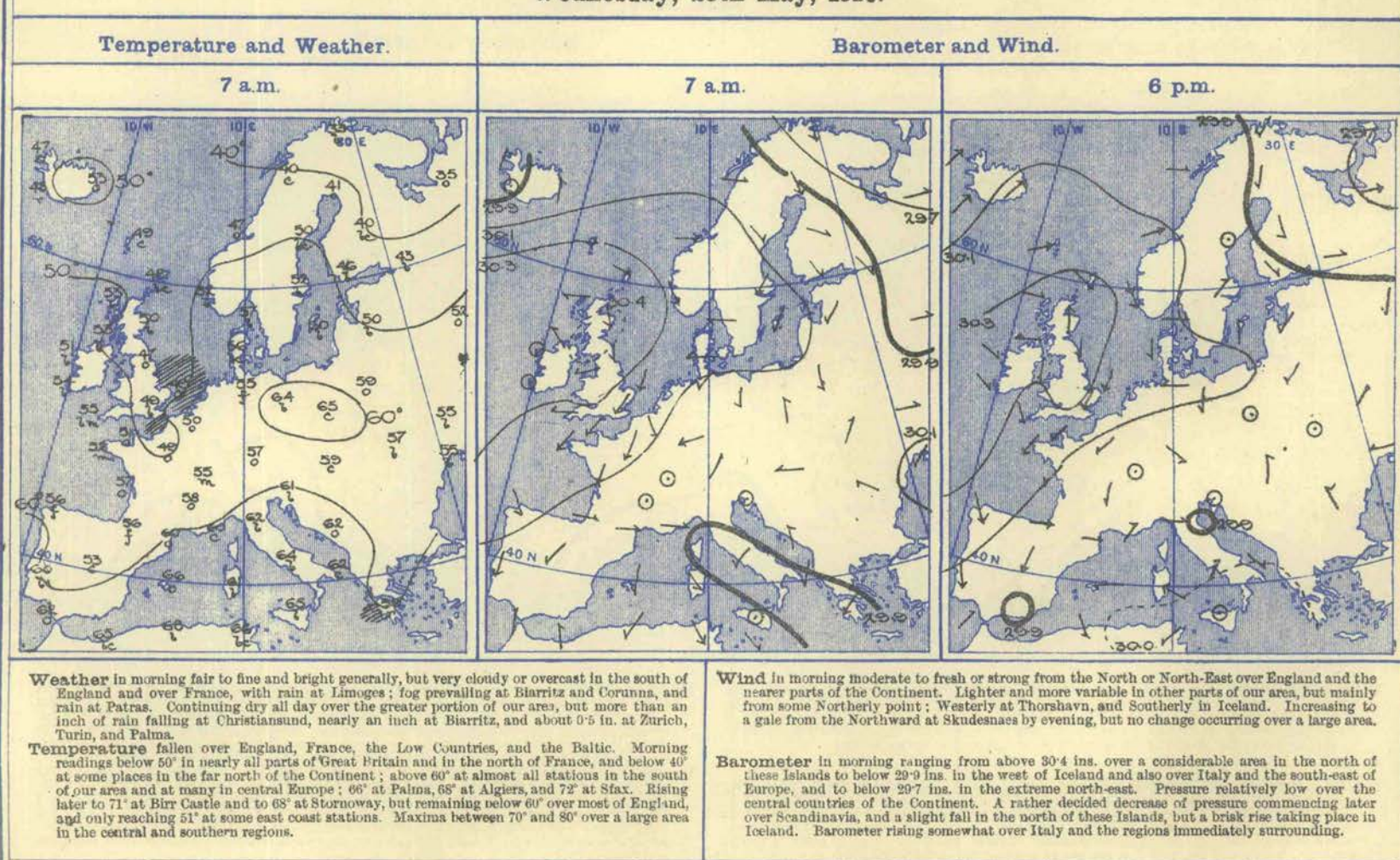
Wind in morning mainly from some Northerly point throughout the western half of our area, but South-Easterly in Iceland; light or moderate generally, but strong over the St. George's Channel and at Scilly, and also in the far north of Scandinavia. Light to moderate breezes from no general direction in the east and south-east of Europe. No great change during day over a large area, but becoming more Easterly over the south and south-east of England and the Channel, and a cyclonic movement developing over the south of Sweden and the Skager Rack.

Barometer in morning above 30.3 ins. in an elongated anticyclonic system extending from near the Azores to beyond the north of Scotland, and above 30.2 ins. in a band extending from the Black Sea to East Prussia; below 29.7 ins. in a depression covering Tunis and most of Sicily, and below 29.4 ins. in a more important disturbance over the White Sea. Latter system travelling away during day, and that in the south becoming modified in form. High pressure on the Atlantic extending over Scotland, but a shallow depression forming over the north of Denmark and its vicinity.

Tuesday, 24th May, 1910.



Wednesday, 25th May, 1910.



Thursday, 26th May, 1910.

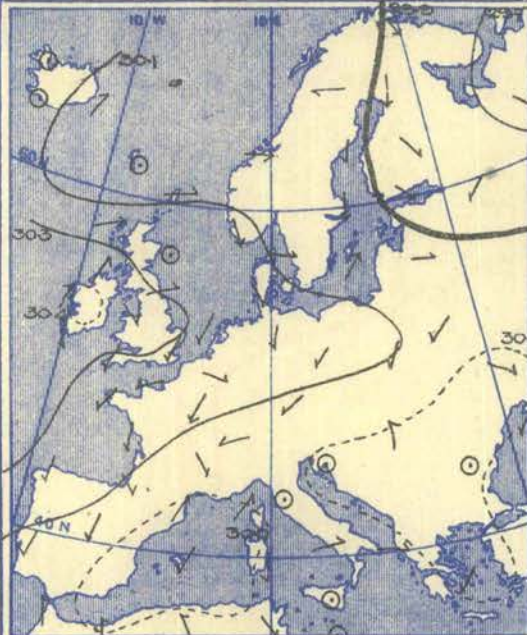
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning rainy in the far north of Scotland and at Christiansund, and snow falling at Vardö. A good deal of cloud prevailing in these Islands and France, with fog at Biarritz and rain at Lyons; rain also falling at Bilbao, Turin, and Lugano; generally fair to very fine elsewhere. Thunderstorms later in several French localities, with rather heavy rain in places; heavy rain in Switzerland, as much as 12 in. at Zurich, and considerable falls in Scandinavia and also in some parts of Algeria.

Temperature risen in Scotland and the south of Scandinavia, changed rather irregularly elsewhere. Morning readings ranging from 70° at Tunis and above 65° at a few other places in the extreme south to below 50° in many parts of England and over a large area in northern Europe, to 36° at Archangel, and to 35° at Vardö. Rising during day to about 70° in some parts of England, and to a few degrees higher over a large area over the southern half of the Continent, but only touching 57° at Biarritz, and 59° at Bilbao and Limoges.

Wind in morning mainly anticyclonic over our Islands, France, and the Bay of Biscay region, variable or cyclonic elsewhere. Westerly current strong at Stornoway and Christiansund, and a gale from the North-West prevailing at Vardö, but little force generally. A definite cyclonic circulation setting in later over the south of Scandinavia and its vicinity, but of little strength.

Barometer in morning above 30.3 ins. over Ireland and the greater part of England; below 30.0 ins. in a depression some distance to the northward of Scotland, and below 29.7 ins. in another system over the White Sea. Some very shallow depressions of considerable size shown over the southern and south-eastern parts of our area. Northern depression moving on to Norway and Sweden during day and increasing considerably in intensity, but a fresh fall of the barometer setting in in Iceland. Pressure giving way over these Islands, France, and the Bay of Biscay.

Friday, 27th May, 1910.

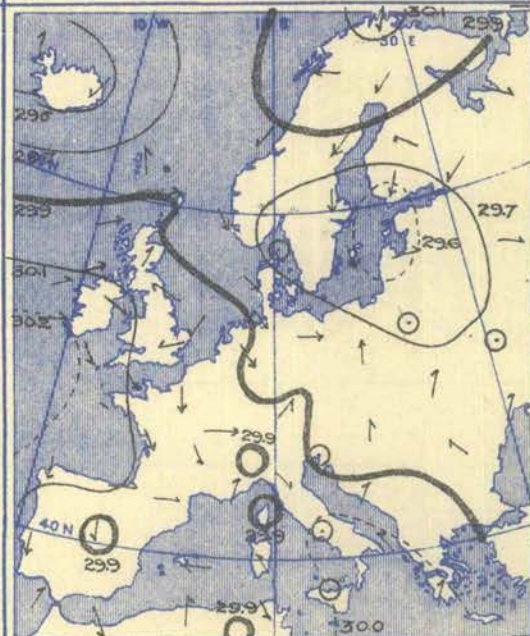
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning very cloudy or overcast in the United Kingdom, with rain at Castlebay, but fair to fine over our area generally. Rain later in many parts of Ireland and Scotland, thunderstorms in the east of France, and heavy rain in some Swiss localities. More than 0.5 in. of rain falling at Lisbon, and an inch at Hango.

Temperature risen decidedly over England. Morning readings ranging from 67° at Palermo and above 65° at some other southern stations to below 50° at Wick and over a large area in northern Europe, and to 35° at Archangel. Maxima during day about 70° in central Ireland and in various parts of England, as well as over a large portion of central Europe; about 75° at many stations in the south of our area, 79° at Bucharest and Cape de Garde. Minimum reading during night, 30° at Hango.

Wind in morning showing a cyclonic movement of moderate to strong breezes over Scandinavia, Denmark, and the Baltic, light variable cyclonic airs over the Mediterranean, and light or moderate breezes from between West and North over these Islands. Not much change occurring during day.

Barometer in morning above 30.2 ins. in Ireland and off the south-west of England; below 29.6 ins. in a depression centred over the south of Sweden, and also in a disturbance over Iceland. Below 30.0 ins. in a shallow system over the western portion of the Mediterranean. Pressure decreasing decidedly in Iceland and over the surrounding regions during day, and steadily over the west and north of these Islands. Swedish disturbance travelling slowly eastward. A well marked depression forming over Spain by evening.

Saturday, 28th May, 1910.

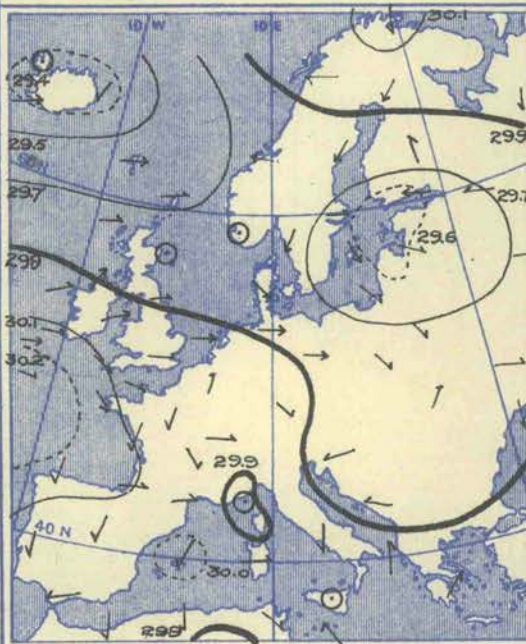
Temperature and Weather.

7 a.m.



Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning bright in places both in these Islands and on the Continent, but very cloudy or overcast over the major portion of our area, with rain in some widely scattered localities, and fog at Scilly and Biarritz, as well as at Cape Sicié. Some rain later in most parts of these Islands, with thunderstorms at several stations in the south-east and east of England. Rain heavy locally; as much as 0.71 in. in half an hour at Southend-on-Sea. Rain, mostly slight, falling over a wide area on the Continent.

Temperature fallen decidedly over Germany and the Baltic. Morning readings ranging from 33° at Archangel to about 50° in Denmark, North Germany, and the north of Scotland, to above 55° over a very large area, to about 65° at some stations in the south, to 68° at Palermo and to 72° at Patras. Rising to about 70° later in various parts of southern England, and to 73° in London. Maxima below 60° over the greater portion of Germany, but between 70° and 80° over most of France and southern Europe.

Wind in morning showing a cyclonic circulation over the Baltic and its surroundings and a similar movement over Iceland. A strong breeze prevailing at many stations in Scandinavia and Finland. A light to moderate Westerly breeze general over this country, and light or moderate Northerly winds over the Bay of Biscay and Spain. Light and rather variable winds reported from the Mediterranean. No great change occurring during day; increasing to a gale from the North-Westward at Wisby.

Barometer in morning above 30.2 ins. off the south-west coasts of these Islands and above 30.1 ins. in the far north of Scandinavia; below 29.6 ins. in a depression over the upper part of the Baltic, and below 29.4 ins. in another system over Iceland. Relatively low in disturbances in the south of our area. Baltic disturbance travelling eastward during day, and that over Iceland remaining stationary. Some shallow ill-defined disturbances passing over these Islands, and anticyclone receding slowly south-westward.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						300 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	May 24th, 9.55 a.m. to 10.10 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature ..	284.5°	283.5°	282°	285.5°				284.5°	Sharp inversions at 500 m. just over cloud layer. 282° to 286.5°.
			Humidity ..	90%	90%	100%	50%				50%	
			Wind ..	10°, 6	10°, 9	20°, 12	30°, 12				35°, 12	
2	May 25th, 10.54 a.m. to 12.2 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature ..	283.5°	282.5°	278.5°	283°				233°	Inversion at 900 m. Extremely dry above.
			Humidity ..	80%	80%	100%	20%				20%	
			Wind ..	5°, 6	—, 8	20°, 9	30°, 12				30°, 14	

APPARATUS USED IN THE KITE ASCENT.

No. of Ascent.	1	2
No. of Kites ..	1	1
Area of Surface (metres) ..	7	7
Length of Wire (metres) ..	1,800	2,000

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 177

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 22.

TWENTY-SECOND WEEK, SUNDAY, MAY 29TH, TO SATURDAY, JUNE 4TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—Over the Kingdom generally the conditions were mostly cloudy or overcast, while showers or periods of steady rain occurred rather frequently, especially in the western districts. Thunderstorms were experienced at many places in the north-west, north and north-east of England on Tuesday and Thursday; thunder was heard at Durham on Wednesday, and at Southport, Lancaster and Douglas on Saturday.

Temperature was above the normal in the eastern half of England, the greatest excess being 1.5° in England E.; elsewhere it was below it, the deficit amounting to as much as 2.9° in Scotland W. and Ireland N. The highest of the maxima were recorded on rather variable dates, but mostly between the 1st and 3rd. They ranged from 72° in England N.E., and 71° in England E. and the Midland Counties to 62° in Ireland N. The lowest of the minima varied greatly in the date of occurrence. In Scotland E. the thermometer fell to 30° (at Balmoral on May 29th), in Ireland N. to 35°, and in several other districts to a little below 40°. In England E. and N.W. the lowest reading was 43°, and in the English Channel 46°. The lowest grass readings reported were 27° at Crathes and Balmoral, 29° at Markree Castle, 30° at West Linton and Hereford, 31° at Llangammarch Wells, and 33° at Sheffield.

Mean Temperature of the Sea differed little as a whole from that of the corresponding week of last year, being higher on some parts of the coast, and lower on others. The figures ranged from 57° at Margate and Newquay and 56° at Sheephaven, Seafeld, and Eastbourne to about 50° at several places in the north and north-west, and to 47° at Burnmouth.

Rainfall was less than the average in Scotland N. and W., as well as in England N.W., S.W., and Ireland S., and about equal to it in England N.E. and Ireland N.; elsewhere it was below. As a rule the daily measurements were not heavy, but 1.08 inch fell at Waterford on Wednesday, and 1.37 inch at Glencarron on Monday.

Bright Sunshine was less than the normal except in Scotland N. and E., the deficiency being considerable in the western districts. The percentage of the possible duration ranged from 38 in Scotland N. and England E., 37 in Scotland E., 36 in the English Channel and 35 in England S.E. to 26 in Ireland S. and Scotland W. and to 23 in England N.W. and Ireland N.

Barometer and Wind.—No cyclonic system came directly over these Islands, but the centres of two systems of considerable size moved in a general easterly direction off the north of Scotland, the first of these causing the wind to increase greatly from the Westward and South-Westward over these Islands during the earlier half of the week. During the later days several small shallow disturbances appeared over various parts of the Kingdom, and the wind fell light generally and became variable in direction. Quite at the end of the period a light to moderate breeze from the North-Eastward became the prevalent current.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 180.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Unusual	Unusual	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Moderate
	Rainfall ...	Heavy	Moderate	Moderate	Moderate	Moderate	Light	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate
	Sunshine ...	Abundant	Moderate	Scanty	Moderate	Moderate	Scanty	Scanty	Very scanty	Scanty	Scanty	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SPRING, 13 weeks from March 6th, 1910.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

PAST SEASONS.

SPRING, 1909. Mar. 7th–June 5th. 13 weeks.	Warmth ...	4 * 3	5 * 7	6 * 2	4 * 1	6 * 2	3 * 4	6 * 1	6 * 3	4 * 4	6 * 2	4 * 4	5 * 1
	Rainfall ...	3 * 5	8 * 2	7 * 5	7 * 4	6 * 4	6 * 3	5 * 4	6 * 5	5 * 4	5 * 4	6 * 4	5 * 4
	Sunshine ...	2 * 2	3 * 4	4 * 5	5 * 5	6 * 4	6 * 4	5 * 4	7 * 4	6 * 4	5 * 5	6 * 3	5 * 5
SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 6	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

DISTRICTS. (See Frontispiece map.)		TWENTY-SECOND WEEK—May 29th to June 4th, 1910.																	
		Temperature.								Rainfall.				Sunshine.					
		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)		
		Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
								Day-deg.	Day-deg.	Day-deg.	Day-deg.	Inches.	Inches.			%	%		
0. SCOTLAND, NORTH		65	36	56.2	42.2	48.7	- 1.5	47	- 13	0	- 2	5	+ 1	1.25	+0.69	46	+ 7	38	+ 6
Eastern																			
1. SCOTLAND, EAST		66	30	57.9	41.2	49.0	- 2.2	52	- 15	2	0	4	0	0.32	-0.16	44	+ 1	37	+ 1
2. ENGLAND, N.E.		72	41	61.3	47.1	53.7	+ 1.3	82	+ 9	0	0	4	+ 1	0.43	0.00	35	- 9	31	- 8
3. ENGLAND, EAST		71	43	64.1	49.0	56.0	+ 1.5	98	+ 10	0	0	5	+ 3	0.35	-0.11	43	- 6	38	- 5
4. MIDLAND COUNTIES		71	40	64.0	46.6	54.7	+ 0.3	89	+ 1	0	- 1	5	+ 2	0.37	-0.13	39	- 5	34	- 4
5. ENGLAND, S.E.		70	37	63.1	49.2	55.7	+ 0.1	96	+ 1	0	0	4	+ 2	0.28	-0.18	39	- 11	35	- 10
Western																			
6. SCOTLAND, WEST		64	37	56.4	44.0	49.8	- 2.9	55	- 21	0	- 1	5	+ 2	0.76	+0.15	30	- 17	26	- 14
7. ENGLAND, N.W.		68	43	59.0	47.3	52.7	- 1.0	75	- 7	0	0	6	+ 3	0.84	+0.34	25	- 21	23	- 18
8. ENGLAND, S.W.		68	39	60.1	48.4	53.9	- 0.8	83	- 6	0	0	5	+ 2	0.66	+0.08	33	- 15	39	- 14
9. IRELAND, NORTH		62	35	55.8	45.1	50.1	- 2.9	57	- 20	0	0	6	+ 3	0.53	-0.02	26	- 18	23	- 15
10. IRELAND, SOUTH		65	37	58.0	46.9	52.0	- 2.4	70	- 17	0	0	6	+ 3	0.90	+0.31	30	- 17	26	- 15
11. ENGLISH CHANNEL		67	46	61.4	50.4	55.5	- 0.1	95	0	0	0	5	+ 2	0.42	-0.08	40	- 17	36	- 15
		THE SEASON (Spring).—Aggregates, &c., for the Period of 13 Weeks, March 6th to June 4th, 1910.																	
0. SCOTLAND, NORTH		73	20	*	*	*	*	405	+ 17	208	- 17	60	+ 2	12.91	+3.03	419	+ 13	52	+ 1
Eastern																			
1. SCOTLAND, EAST		74	22	*	*	*	*	454	- 9	227	- 15	48	- 1	6.54	+0.27	443	- 1	35	0
2. ENGLAND, N.E.		80	24	*	*	*	*	554	+ 82	153	- 21	46	+ 2	5.07	-0.62	442	- 34	35	- 3
3. ENGLAND, EAST		83	21	*	*	*	*	646	+ 45	144	- 38	46	+ 5	5.96	+1.01	513	+ 18	41	+ 1
4. MIDLAND COUNTIES		79	23	*	*	*	*	648	+ 33	185	- 12	47	+ 6	4.87	-0.66	455	+ 8	36	+ 1
5. ENGLAND, S.E.		77	22	*	*	*	*	662	+ 13	116	- 6	47	+ 8	5.57	+0.41	518	+ 21	41	+ 2
Western																			
6. SCOTLAND, WEST		77	26	*	*	*	*	531	+ 28	141	- 22	55	+ 6	8.15	-0.82	444	- 22	35	- 2
7. ENGLAND, N.W.		76	23	*	*	*	*	547	+ 17	119	- 16	54	+ 9	6.64	-0.02	471	+ 13	37	+ 1
8. ENGLAND, S.W.		77	20	*	*	*	*	612	- 2	99	- 3	47	+ 3	6.00	-1.08	529	+ 28	42	+ 2
9. IRELAND, NORTH		71	26	*	*	*	*	522	- 13	118	- 10	58	+ 5	5.99	-0.44	405	- 38	32	- 3
10. IRELAND, SOUTH		78	25	*	*	*	*	634	+ 1	86	- 8	57	+ 9	7.79	-0.18	446	- 40	35	- 3
11. ENGLISH CHANNEL		73	31	*	*	*	*	700	0	21	- 9	44	- 2	5.87	-0.14	583	- 13	47	- 1
		THE YEAR.—Aggregates, &c., for the Period of 22 Weeks, January 2nd to June 4th, 1910.																	
0. SCOTLAND, NORTH		73	2	*	*	*	*	453	+ 5	595	+ 40	112	+ 8	24.61	+3.77	540	+46	30	+ 3
Eastern																			
1. SCOTLAND, EAST		74	-10	*	*	*	*	512	-19	636	+ 17	91	+ 7	12.58	+1.32	596	+28	33	+ 2
2. ENGLAND, N.E.		80	6	*	*	*	*	638	+86	454	- 21	87	+10	9.49	+1.01	599	- 3	33	0
3. ENGLAND, EAST		83	17	*	*	*	*	766	+75	393	-128	86	+11	10.31	+1.99	699	+64	39	+ 4
4. MIDLAND COUNTIES		79	10	*	*	*	*	755	+36	474	- 59	89	+15	10.14	+0.43	624	+57	34	+ 3
5. ENGLAND, S.E.		77	13	*	*	*	*	801	+34	294	- 87	90	+19	11.75	+2.14	703	+72	39	+ 4
Western																			
6. SCOTLAND, WEST		77	0	*	*	*	*	618	+26	432	+ 7	102	+13	19.47	+1.65	574	+ 1	32	0
7. ENGLAND, N.W.		76	7	*	*	*	*	660	+36	333	- 48	104	+23	15.53	+3.24	623	+57	35	+ 3
8. ENGLAND, S.W.		77	8	*	*	*	*	772	+ 7	242	- 59	96	+16	15.88	+1.80	695	+58	38	+ 3
9. IRELAND, NORTH		71	7	*	*	*	*	653	- 7	351	+ 6	111	+16	16.71	+2.75	539	-22	30	- 1
10. IRELAND, SOUTH		78	18	*	*	*	*	818	- 1	258	- 1	111	+25	18.49	+2.97	595	-27	33	- 2
11. ENGLISH CHANNEL		73	28	*	*	*	*	933	+14	54	- 55	94	+ 7	14.41	+2.49	771	+ 7	42	0

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 ‡ The corresponding value for Report No. 21 slightly altered owing to receipt of further information.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked α, and at the hour of evening observation (9 p.m.) at Stations marked p. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked α is supplied by the Royal Meteorological Society, and that for Stations marked § is supplied by the Scottish Meteorological Society. Stations marked α or § are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.		NAMES OF STATIONS.		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					NAMES OF STATIONS.
				Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
								Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°	Below 42°	
												Day	Day									
0. SCOTLAND, N.	a, Islands.	p Balta Sound	58	4th	40	53.7	48.4	47.7	—	Day 40	Day 0	7	Ins. 0.64	Ins. —	Hrs. 58.5	Hrs. —	% 46	% —	Balta Sound.			
		a Sumburgh Head	52	29th to 4th	42	52.0	44.1	48.9	- 0.1	48	0	6	0.52	+ 0.09	38.8	+ 0.1	32	0	Deerness.			
		a Stornoway	57	2nd	42	54.4	44.1	48.9	- 0.1	48	0	6	0.38	+ 0.43	51.6	+ 8.1	43	+ 7	Stornoway.			
	b, Main-land.	a Castlebay, Barra Isd.	55	4th	44	53.0	45.9	49.2	- 3.3	50	0	4	0.60	—	53.2	—	45	—	Castlebay.			
		a Wick	59	3rd, 4th	40	56.4	42.0	48.7	- 0.4	47	0	5	0.32	- 0.10	—	—	—	—	Strathpeffer.			
		p Strathpeffer	63	2nd	41	58.5	42.3	49.8	- 0.7	55	0	4	1.04	+ 0.61	44.6	+ 6.2	37	+ 5	Strathpeffer.			
1. SCOTLAND, E. ...	a, Islands.	p Fort Augustus	58	2nd, 4th	36	53.9	40.8	46.9	- 2.6	39	8	6	2.55	+ 1.57	—	—	—	—	Fort Augustus.			
		p Fort William	63	2nd	37	56.6	42.4	49.0	- 1.5	49	0	4	1.62	+ 1.14	49.2	+ 18.0	41	+ 15	Fort Augustus.			
		p Gordon Castle	65	4th	36	57.3	41.6	48.9	- 2.7	50	1	5	1.71	+ 0.89	—	—	—	—	Fort Augustus.			
	b, Main-land.	a Nairn	63	3rd	36	60.0	40.4	49.5	- 1.5	59	4	4	0.45	- 0.02	54.9	—	46	—	Gordon Castle.			
		a Aberdeen	63	2nd	37	59.6	41.4	49.9	- 1.8	58	2	4	0.43	+ 0.03	62.4	—	52	—	Nairn.			
		a Balmoral	63	3rd	41	59.1	44.0	51.0	+ 0.7	63	0	3	0.26	- 0.19	44.8	+ 1.5	38	+ 1	Aberdeen.			
2. ENGLAND, N.E.	a, North.	p Crick	66	2nd	30	58.0	35.4	45.9	- 2.3	55	18	3	0.22	- 0.33	40.2	—	34	—	Crathes S.			
		a Leith	62	1st	39	58.4	40.9	49.0	- 3.6	54	3	2	0.24	- 0.36	44.2	—	38	—	Bairduddy.			
		a West Linton	58	1st	44	57.7	45.4	51.1	- 1.2	64	0	4	0.11	- 0.30	—	—	—	—	Edinburgh.			
	b, South.	p Marchmont	59	1st, 2nd	40	53.5	39.8	46.2	- 3.1	39	6	6	0.60	—	24.0	—	21	—	West Linton.			
		a Alnwick Castle	65	3rd	43	56.9	42.4	49.2	- 0.8	50	0	3	0.28	- 0.26	29.7	- 11.6	25	- 10	Marchmont.			
		a Shields	65	3rd	43	58.4	46.1	51.8	+ 0.9	69	0	4	0.69	+ 0.29	26.3	- 6.4	23	- 6	Cockle Park.			
3. ENGLAND, E.	a, North.	p Durham	62	3rd	43	58.5	45.4	51.5	+ 0.2	67	0	5	1.00	+ 0.58	31.8	- 7.6	27	- 7	Newcastle.			
		p Rounton	63	31st, 3rd	41	60.2	45.2	52.2	+ 1.8	71	0	3	0.48	+ 0.03	—	—	—	—	Durham.			
		p Scarborough	67	3rd	45	62.9	47.9	54.9	+ 3.1	90	0	4	0.31	- 0.12	36.2	—	32	—	Scarborough.			
	b, South.	a Spurn Head	64	3rd	44	62.0	48.7	54.9	+ 1.3	90	0	5	0.13	- 0.33	19.4	- 21.2	17	- 18	York.			
		a Lincoln	68	3rd, 4th	45	61.3	48.0	55.6	+ 1.1	95	0	4	0.44	+ 0.01	42.7	—	38	—	Scarborough.			
		a Fulbeck	72	4th	44	65.3	47.5	55.8	+ 2.3	97	0	4	0.31	- 0.13	44.2	—	39	—	York.			
4. MIDLAND COUNTIES.	a, North.	p Cromer	68	2nd	46	63.1	47.9	55.0	+ 2.5	91	0	5	0.39	—	38.4	—	37	—	Skegness.			
		p Hillington	69	3rd	44	65.0	46.7	55.2	+ 1.8	92	0	5	0.39	- 0.06	35.1	- 11.6	31	- 10	Rauceby.			
		a Yarmouth	67	3rd	47	62.4	50.1	55.8	+ 3.2	97	0	3	0.35	- 0.04	57.1	—	51	—	Lowestoft.			
	b, South.	a Norwich	70	3rd	47	64.9	48.6	56.2	+ 3.2	99	0	6	0.32	—	—	—	—	—	Cromer.			
		p Geldeston	71	3rd	46	64.6	49.4	56.5	+ 3.2	102	0	4	0.76	+ 0.35	46.6	- 3.4	41	- 3	Hillington.			
		a Cambridge	69	3rd	43	65.6	47.5	56.5	+ 1.7	97	0	6	0.23	- 0.23	44.9	- 2.0	40	- 2	Yarmouth.			
5. ENGLAND, S.E.	a, North.	a Felixstowe	65	29th	49	62.6	52.4	57.1	+ 3.5	106	0	6	0.13	—	48.9	—	43	—	Geldeston.			
		a Clacton-on-Sea	65	29th, 1st	50	62.7	53.0	57.5	+ 4.3	109	0	3	0.13	—	41.6	—	37	—	Cambridge.			
		a Rothamsted	67	3rd	43	63.7	46.7	54.6	+ 1.3	88	0	4	0.36	- 0.09	40.0	- 5.8	35	- 5	Felixstowe.			
	b, South.	a Shoeburyness	67	1, 2, 3rd	47	64.0	50.9	57.0	+ 1.3	105	0	3	0.13	- 0.17	40.7	—	36	—	Clacton.			
		p Tottenham	70	3rd	48	64.9	50.7	57.3	+ 2.7	107	0	5	0.25	—	37.9	—	34	—	Rothamsted.			
		a Harrogate	63	31st	41	61.0	45.1	52.5	+ 1.1	74	0	5	0.51	+ 0.01	33.3	—	29	—	Southend.			
6. ENGLAND, S.W.	a, East.	a Bawtry	70	4th	41	66.1	45.1	54.9	+ 1.1	90	0	6	0.14	- 0.28	34.1	- 4.5	30	- 4	Tottenham.			
		p Buxton	63	2nd	41	58.2	45.3	51.3	+ 1.4	65	0	5	0.54	- 0.18	26.1	—	23	—	Harrogate.			
		a Nottingham	68	2, 3, 4th	43	64.7	47.0	55.2	+ 1.4	92	0	4	0.23	- 0.20	40.6	—	36	—	Workop.			
	b, West.	p Birmingham, Edgbsn	68	3rd	44	63.6	48.2	55.4	+ 2.0	94	0	4	0.22	- 0.28	34.3	—	30	—	Buxton.			
		a Raunds	71	2nd	42	67.1	46.4	56.0	+ 2.4	98	0	5	0.25	—	—	—	—	—	Nottingham.			
		a Oxford	70	4th	45	64.4	48.3	55.8	+ 1.4	97	0	3	0.71	+ 0.23	47.8	+ 2.4	42	+ 2	Birmingham.			
7. ENGLAND, S.W.	a, East.	a Chislehurst	64	2nd, 3rd	41	60.2	45.9	52.6	+ 0.7	74	0	7	0.64	+ 0.12	32.3	—	28	—	Oxford.			
		p Shrewsbury	68	2nd	41	62.3	47.5	54.4	+ 0.2	87	0	4	0.42	—	—	—	—	—	Sheffield.			
		a Hereford	68	2nd, 3rd	40	64.4	47.1	55.2	+ 0.8	92	0	5	0.36	- 0.12	—	—	—	—	Hereford.			
	b, West.	a Cirencester	71	2nd	41	66.1	44.5	54.6	+ 1.4	88	0	4	0.34	- 0.10	36.5	- 10.8	32	- 10	Cirencester.			
		a Bath	66	3rd, 4th	42	63.6	47.6	55.0	+ 0.5	91	0	3	0.24	- 0.24	48.8	—	44	—	Bath.			
		p Kew	70	3rd	47	65.9	50.2	57.5	+ 2.4	109	0	3	0.19	- 0.24	35.7	- 10.7	32	- 10	Ramsgate.			
8. ENGLAND, S.W.	a, East.	a Marlborough	66	3rd, 4th	37	62.8	44.2	52.9	+ 0.2	76	0	4	0.64	+ 0.17	43.6	+ 0.6	39	+ 1	Kew.			
		a Margate	68	2nd, 3rd	49	64.2	52.2	57.8	+ 3.7	111	0	4	0.18	- 0.19	36.4	- 8.6	33	- 8	Marlborough.			
		a Wisley, Surrey	70	3rd	44	64.5	48.4	55.9	+ 0.6	97	0	3	0.19	—	35.0	—	31	—	Margate.			
	b, West.	a Swaraton	69	4th	39	63.9	46.2	54.3	+ 1.1	86	0	3	0.24	- 0.23	36.8	—	31	—	Wisley.			
		a Tunbridge Wells	69	3rd	46	63.6	48.4	55.5	+ 1.6	95	0	4	0.39	- 0.07	32.8	- 14.7	29	- 13	Worthing.			
		a Dungeness	64	3rd	50	60.6	51.0	55.8	+ 1.9	97	0	7	0.29	- 0.01	36.3	—	33	—	Tunbridge Wells.			
9. ENGLAND, S.W.	a, East.	p Hastings	64	3rd	49	60.8	51.1	55.6	+ 1.2	95	0	5	0.29	- 0.07	36.3	—	33	—	Hastings.			
		p Southampton	69	3rd	45	64.1	49.7	56.4	+ 0.2	101	0	3	0.26	- 0.18	46.2	- 4.3	41	- 4	Littlestone.			
		a Ventnor	64	2nd, 3rd	47	60.9	50.1	55.1	+ 0.0	92	0	3	0.11	- 0.29	46.5	- 3.9	42	- 4	Hastings.			
	b, West.	a Eastbourne	64	2nd, 3rd	47	60.9	50.1	55.1	+ 0.0	92	0	3	0.11	- 0.29	46.5	- 3.9	42	- 4	Southampton.			
		a Westminster	70	3rd	48	64.7	50.6	57.2	+ 1.9	106	0	5	0.17	- 0.24	34.6	- 4.4	31	- 4	Ventnor.			
		a Greenwich	75	3rd	45	67.6	49.6	57.7	+ 2.1	110	0	5	0.22	- 0.21	36.8	- 7.1	33	- 6	Eastbourne.			
10. ENGLAND, S.W.	a, East.	a Landale	63	4th	37	56.6	42.4	49.0	- 3.4	49	0	4	0.65	+ 0.01	—	—	—	—	Westminster.			
		a Poltalloch	62	2nd	43	56.9	44.5	50.3	- 1.9	58	0	5	0.51	+ 0.06	26.6	- 11.2	23	- 10	Greenwich.			
		p Glasgow	64	2nd	41	58.4	44.1	50.8	- 1.6	62	0	4	0.76	+ 0.10	—	—	—	—	Glasgow.			
	b, West.	p Rothesay	59	1st	37	55.6	42.2	48.4	- 4.0	45	0	4	0.39	—	31.4	—	27	—	Kilmarnock.			
		a Kilmarnock	61	1st	40	55.9	44.7	49.0	- 2.7	55	0	6	0.56	- 0.01	—	—	—	—	Rothesay.			
		a Colmonell	60	4th	43	56.3	45.0	50.3	- 3.0	58	0	5	0.81	+ 0.25	24.9	—	22	—	Kilmarn			

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	50·7	—	Harrogate	0	35	51·8	50·3	6. Dumfries	0	40	55·6	53·0
1. Aberdeen	—	—	—	48·2	Huddersfield	0	40	54·1	48·5	Douglas	0	41	—	—
Crathes	1	27	53·6	49·5	Buxton	0	37	52·6	47·9	Aspatia	0	42	54·4	49·8
Balmoral	3	27	—	—	Sheffield	0	33	53·5	48·7	Newton Rigg	0	37	54·7	50·6
West Linton	1	30	—	—	Nottingham	0	38	55·8	51·4	Burnley	0	39	52·7	49·1
Marchmont	0	34	52·1	—	Birmingham	0	38	51·5	48·0	Southport	0	39	57·6	54·4
Cockle Park	0	37	51·9	49·7	Oxford	0	—	—	—	Manchester City	0	45	53·8	51·6
Durham	0	39	—	—	Hereford	1	30	—	—	Bettws-y-Coed	0	42	53·7	50·0
York	—	—	54·2	50·6	Cirencester	0	35	55·2	51·4					
Hull	0	40	55·3	49·6	Bath	—	—	—	—					
Lincoln	—	—	55·5	51·2	Margate	0	48	57·1	52·5					
Raueby	0	36	57·9	51·4	Greenwich	0	36	—	—					
Norwich	0	41	—	—	Westminster	0	41	—	—					
Yarmouth	—	—	59·7	55·6	Kew	0	35	57·6	52·5					
Lowestoft	0	44	58·2	53·4	Canterbury	0	47	57·2	53·5					
Cambridge	0	38	58·1	53·9	Tunbridge Wells	0	41	58·8	—					
Clacton-on-Sea	0	43	57·7	54·2	Wisley	0	39	57·5	53·9					
Southend	0	45	59·0	—	Worthing	0	43	59·2	54·0					
Tottenham	0	42	—	53·9	Portsmouth	0	40	58·8	55·3					
					Glasgow	0	34	—	—					
					Rothsay	—	—	—	49·8					
					Colmonell	0	35	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	49	48	48·1	SCOTLAND, W.	Lamlash	50	49	50·0
	Kirkwall	50	50	50·0		Ballastrae	52	50	50·8
	Wick	49	48	48·3	ENGLAND, N.W.	Port Erin	52	49	49·9
	Cromarty	55	48	50·2		Newquay	57	57	57·0
SCOTLAND, E.	Pennan Bay	55	51	53·3		Scilly	56	52	53·1
	Aberdeen, Cove Bay	49	47	47·7	ENGLAND, S.W.	Plymouth†	57	54	55·4
	Burnmouth, Berwick	47	46	46·7		Salcombe	59	53	54·6
ENGLAND, N.E.	Scarborough	50	47	48·7		Sheephaven	56	56	56·0
	Shipwash Lightship	55	53	53·6	IRELAND, N.W.	Teelin	57	48	53·3
ENGLAND, E.	Margate†	59	55	57·2		Cleggan	56	50	53·5
ENGLAND, S.E.	Eastbourne†	57	55	56·1	IRELAND, S.W.	Seafield	59	52	55·9
					IRELAND, E.				

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139–143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\gg$ = a heavy gale; $\gg$ = a gale; $\gg$ = a fresh to strong breeze; $\gg$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; — = detached cloud; — = overcast; — = misty (hazy); — = foggy; — = squally; — = rain; — = hail; — = snow; — = lightning; — = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

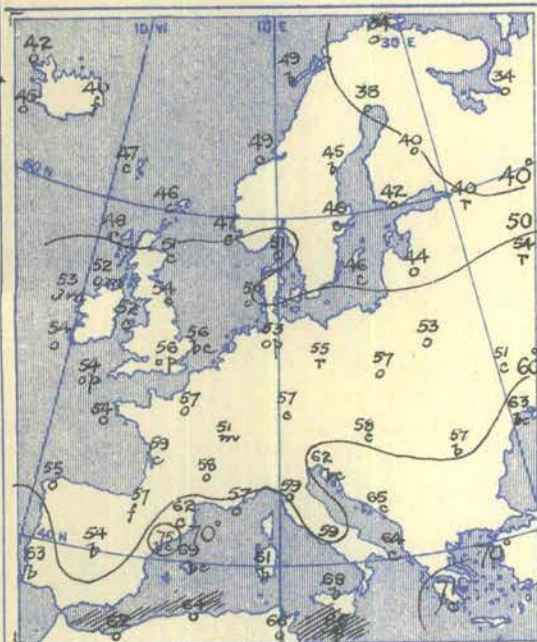
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 29th May, 1910.

Temperature and Weather.

7 a.m.

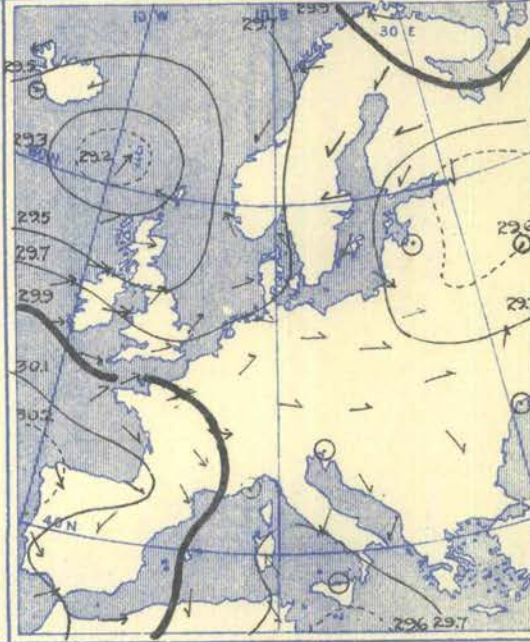


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning overcast, with rain in places, over a large area in this country and over the more northern regions of the Continent; fair to bright over the Mediterranean and the south of Russia. Fog prevailing at Biarritz and Cape Sicé. Some rain later, generally in small quantity, over these Islands and at many places throughout central and northern Europe, as well as in the south of Russia.

Temperature fallen at nearly all our own stations. Morning readings ranging from 71° at Athens, 75° at Barcelona, 69° at Palma, and above 60° over the Mediterranean region generally, to a little below 50° over the north of Scotland, and to below 40° in the far north. Maxima during day nearly 80° at a few places in the extreme south, and above 70° over a very large area; below 60° in North Germany and over a considerable portion of these Islands.

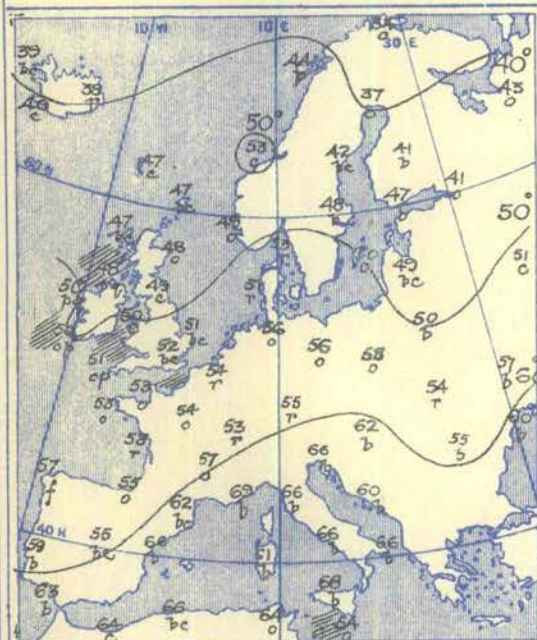
Wind in morning Westerly to South-Westerly over these Islands, light or moderate in force, and Easterly, moderate, in Iceland. A complete cyclonic circulation prevailing over Russia and its vicinity, light Northerly breezes over the Mediterranean, and a light anticyclonic movement over the Bay of Biscay. Increasing greatly in force from between South and West later over these Islands and the Channel, and from the Eastward and North-Eastward in Iceland.

Barometer in morning above 30.1 ins. over the Bay of Biscay; below 29.4 ins. in a depression between the Hebrides and Iceland, and relatively low in a large minimum over Russia, and also in the extreme south of our area. Pressure giving way very briskly during day over the Faerøe and in Shetland, and rising again in Iceland. Not much change occurring in the general distribution of pressure, but gradient increasing over these Islands.

Monday, 30th May, 1910.

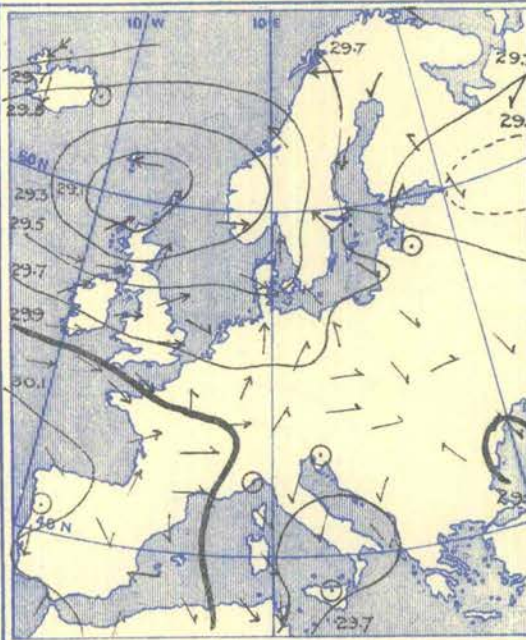
Temperature and Weather.

7 a.m.

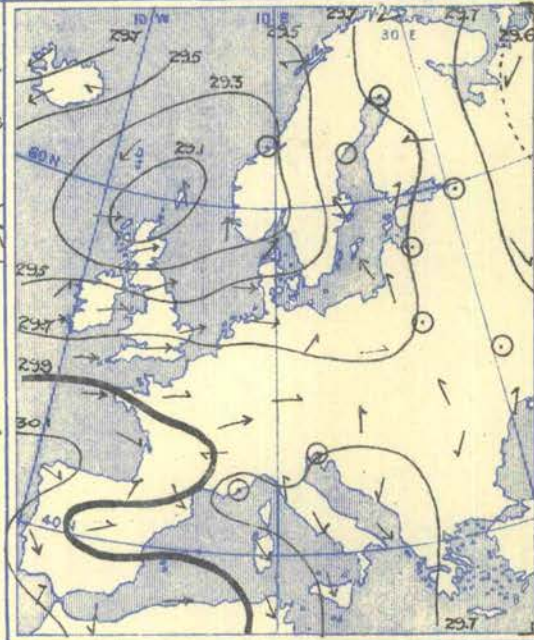


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or overcast over a large area in these Islands and the northern half of the Continent, with rain in several localities. Fair to fine and bright in the south-east of England and over the southern countries of the Continent. A little rain falling later over most of the United Kingdom, and also in many places in central and northern Europe.

Temperature fallen over these Islands and their neighbourhood. Morning readings ranging from 72° at Malaga and about 65° at many southern stations to 50° or below over the more northern portion of our area, and to below 40° at some stations in the extreme north. Maxima during day very little above 60° in any part of this country, and below 55° at several northern and western stations. Maxima about 80° at many places in the south of Europe, and between 70° and 75° over a very extensive area. Thermometer remaining below 70° over Germany.

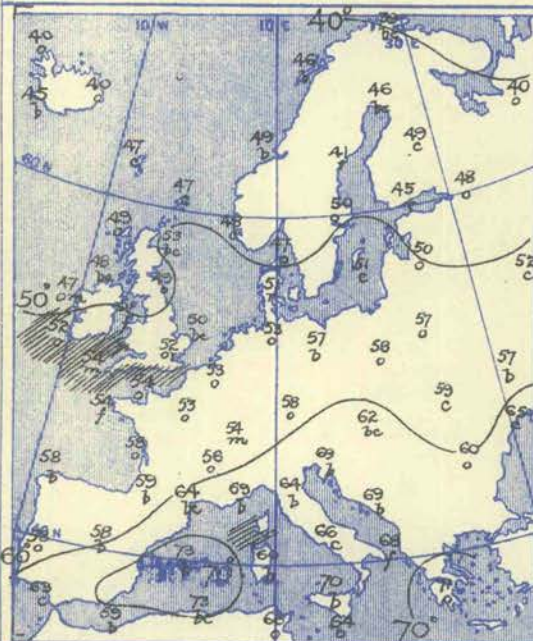
Wind in morning showing three distinct cyclonic movements, the chief being over the north-western part of our area. Westerly current fresh to very strong over the greater portion of the United Kingdom, and that from the Southward strong in the north of Denmark. Some strong or high winds from the Northward prevailing over the Mediterranean region. Continuing fresh to strong over this country and north-western Europe generally during day, and increasing to a gale at Faerøe, as well as at Castlebay.

Barometer in morning above 30.1 ins. over the north-west of Spain and the adjacent part of the ocean; below 29.1 ins. in a large depression centred off the north of Scotland, below 29.7 ins. in a large shallow system over Italy, and rather lower in a similar system over northern Russia. Scarcely any change occurring later in the general distribution of pressure. Main depression moving slightly further to the south or south-east, and pressure increasing in Iceland.

Tuesday, 31st May, 1910.

Temperature and Weather.

7 a.m.

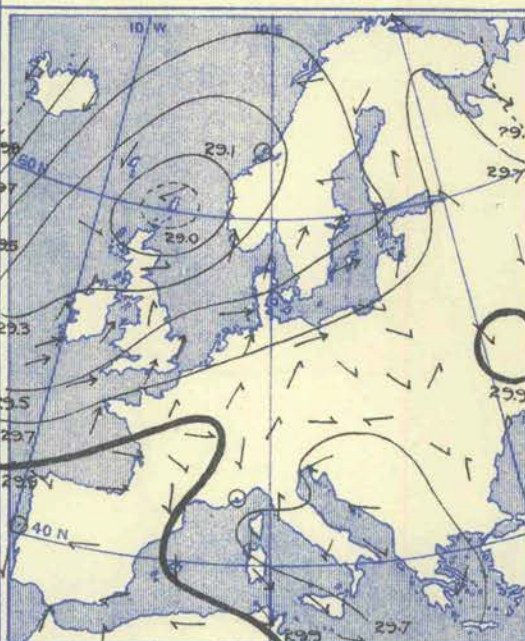


Weather in morning rainy in several parts of England, and also at some stations in Ireland, the Hebrides, and Scandinavia. Sky variable elsewhere; mostly fair to bright in the south of our area. Rain experienced later very generally in these Islands, Scandinavia, Denmark, at some stations in the Low Countries, and at a few isolated places elsewhere. Thunderstorms occurring in some English localities.

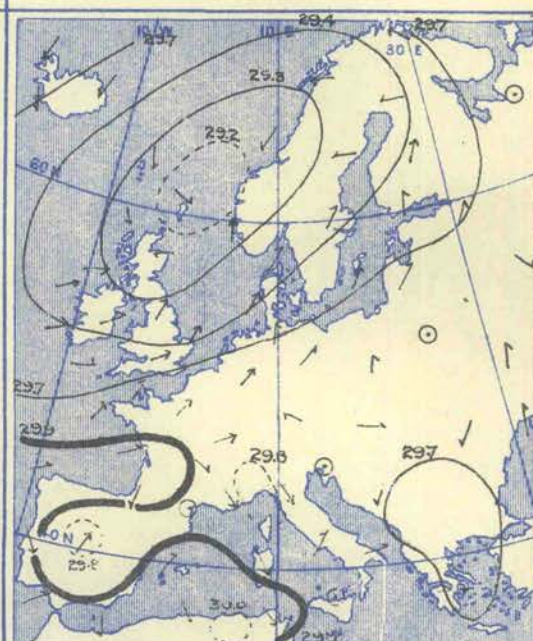
Temperature showing no decided change over a large area. Morning readings ranging from above 70° at a few places in the extreme south of our area and 69° at Nice to below 55° at all our own stations, to below 50° in the northern parts of Ireland and Scotland, and to 39° in the far north of Norway. Maxima during day low in this country; very little above 60° at any station. Thermometer rising to 70° or higher over Austria-Hungary and southern Europe, and exceeding 80° at Madrid and Patras.

Barometer and Wind.

7 a.m.



6 p.m.



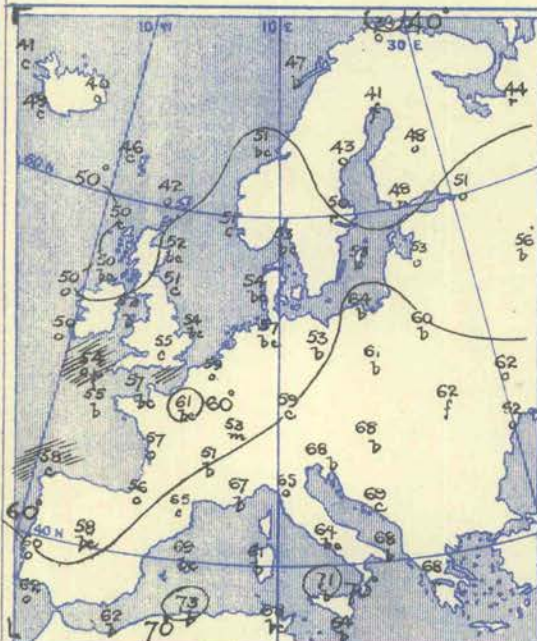
Wind in morning showing a very extensive cyclonic circulation in the north-western regions of Europe. South-Westerly current fresh or strong over Ireland, England, and the nearer regions of the Continent, and strong to a gale at Portland Bill. Light breezes from rather variable quarters prevalent in the east and south of our area. Decreasing somewhat in force by evening in these Islands, but increasing to a fresh breeze at some stations on the shores of the Mediterranean.

Barometer in morning above 29.9 ins. in an anticyclone extending from the Atlantic across Spain to Switzerland; below 29.0 ins. in a very large depression having its minimum near Sumburgh Head, and relatively low in a secondary off the west of Ireland, and also in the extreme north-west of Europe and over Italy and the Adriatic. Main depression maintaining the same position during day, but becoming rather less deep. Little change taking place in the general distribution of pressure; rising in Ireland and Wales, falling over England.

Wednesday, 1st June, 1910.

Temperature and Weather.

7 a.m.

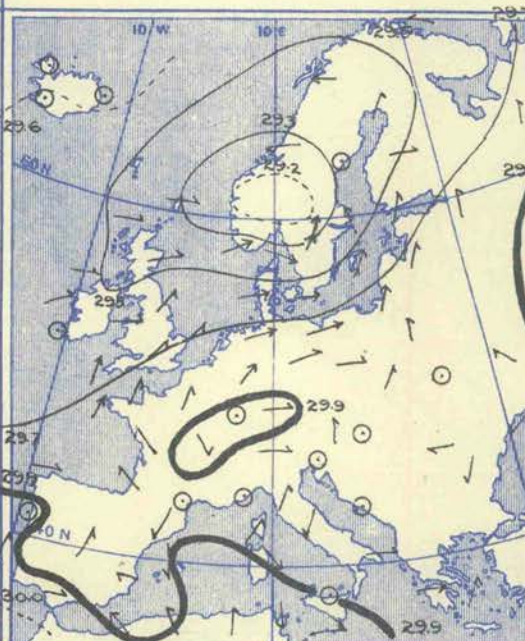


Weather in morning rainy at some places in the south of England, as well as at Stockholm and Archangel, and a good deal of cloud prevailing over the United Kingdom and the north of the Continent generally. Mostly fair to bright over the southern half of our area, but dull in places, and rainy at Patras. Rain or passing showers falling later in the north, west, and south of these Islands and in places here and there on the Continent; a thunderstorm, with an inch of rain, occurring at Biarritz.

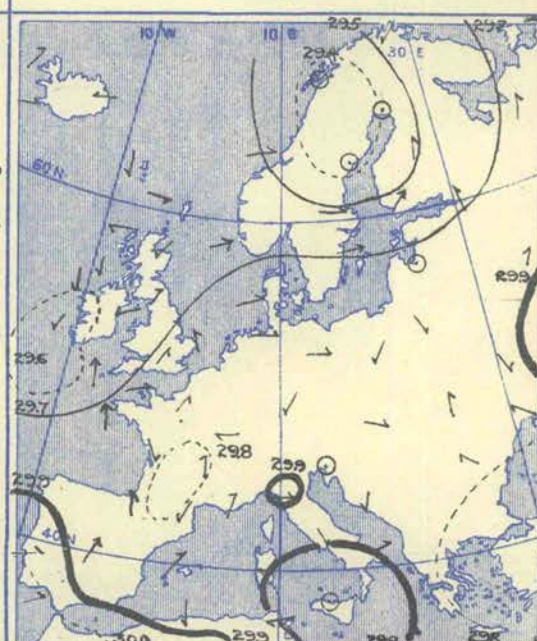
Temperature showing little change generally; higher in the south. Readings in morning ranging from about 70° at many stations on the shores of the Mediterranean and Adriatic and 68° at Buda-Pesth to about 60° over Germany, about 50° over the north of these Islands and in the south of Scandinavia, and to below 40° in the extreme north. Maxima during day a few degrees above 60° over the major portion of this country, above 75° over a wide area in central and southern Europe, and a little above 80° in places.

Barometer and Wind.

7 a.m.



6 p.m.



Wind in morning strong to a gale from the South-Westward in the south of Scandinavia, and light from the Eastward in the north of Norway. Mainly between South and West and very light over the United Kingdom. An irregular anticyclonic circulation prevailing over central and southern Europe. Decreasing in strength during day over southern Scandinavia. Continuing light and becoming more variable in direction over these Islands; shifting to North in the west and north of Ireland.

Barometer in morning 29.9 ins. in a high pressure system centred over South Germany, Switzerland, and the east of France, and also in another over Russia; below 29.2 ins. in a depression having its minimum over the south of Scandinavia, and relatively low in an ill-defined disturbance over the south-west of these Islands. Northern depression travelling north-eastward during day. Pressure increasing briskly in Scotland and slightly in England, but remaining stationary in the south of Ireland and at Scilly. A shallow depression forming over the south and south-west of France and another over Spain.

Thursday, 2nd June, 1910.

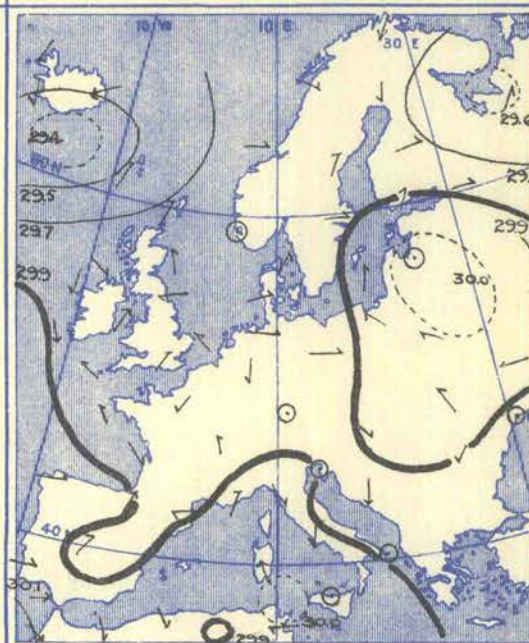
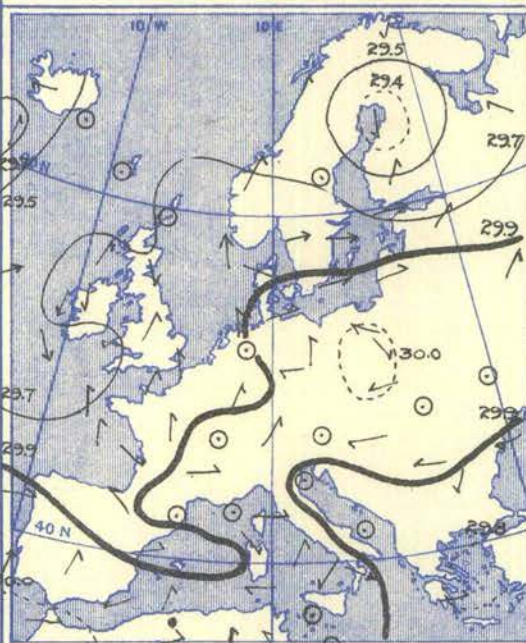
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning rainy at some of our north-western and western stations, and cloudy or overcast over most parts of these Islands, and also in the north of France, with rain at Havre. Fair to fine and bright in nearly all other regions except at some places in the extreme north of Scandinavia and Finland. Some rain later in most parts of these Islands, and thunderstorms locally in the north of England. Rain experienced in many French districts, in the extreme north of Germany, and at a few places in Norway and Sweden.

Temperature risen over the greater portion of the Continent and in the east of England. Morning readings ranging from 75° at Barcelona and above 70° at several other southern stations to about 60° in the south-east of England, the north of France, and the Low Countries, to below 50° over a large area in the far north, and to 37° at Vardö. Maxima during day above 65° in several parts of England, above 70° over the greater portion of France and in central and southern Europe, and as high as 80° in places. Thermometer touching 89° at Tunis and 95° at Biskra.

Wind in morning light and rather variable over the greater part of our area, but moderate to strong from the Westward over the south of Scandinavia and the Baltic. Mainly Southerly in England and Northerly in Ireland. Wind falling very light by evening over the Baltic and the south of Scandinavia, but increasing greatly from the Northward at Vardö and from the North-Eastward in Iceland.

Barometer in morning above 30.0 ins. in Poland, and also in the extreme south-west of Europe and in Algeria; below 29.4 ins. in a depression centred over the north of Finland, a little lower in another disturbance off the west of Iceland. A shallow disturbance over the west and south-west of these Islands. Little change later in the general distribution. South-western depression moving eastward over this country; Finnish disturbance also moving eastward, and a minimum appearing to the southward of Iceland from the eastward.

Friday, 3rd June, 1910.

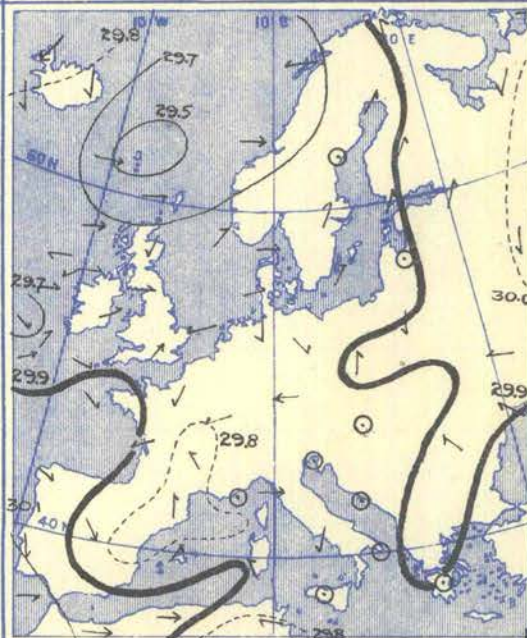
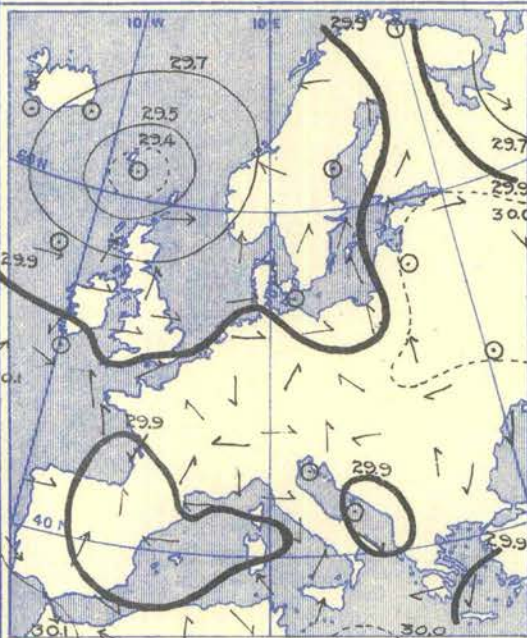
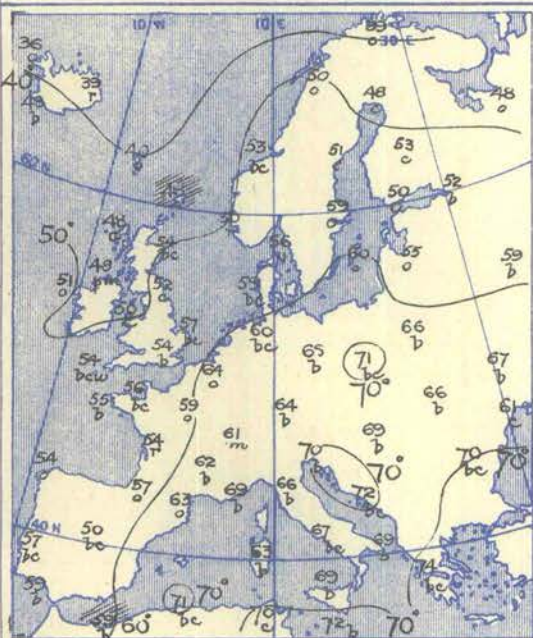
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



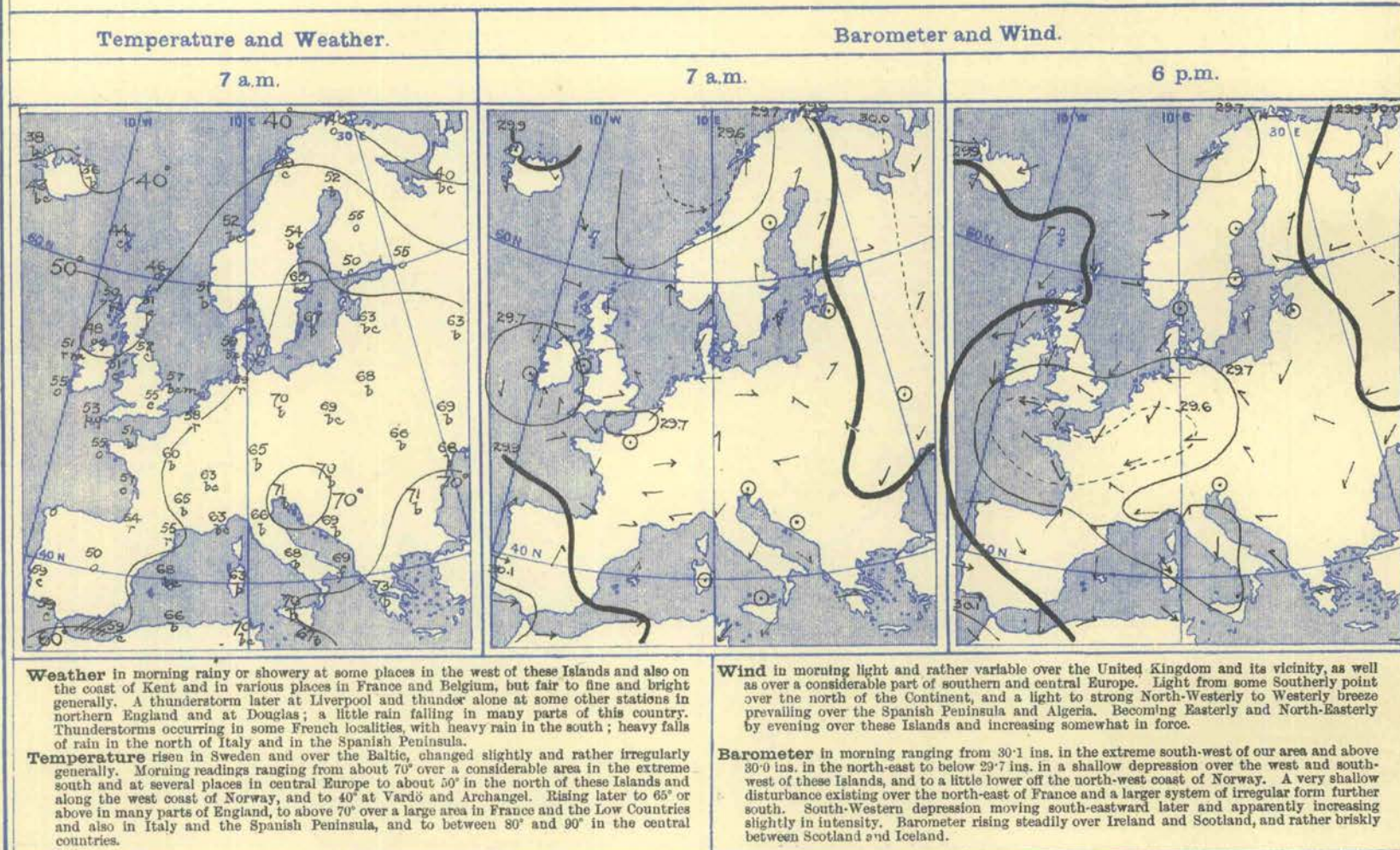
Weather in morning fair to fine and bright over the greater portion of our area, but overcast in a few localities, and rainy or showery at Skudesnaes and Malin Head, as well as at Rochefort and Cape Gris Nez. Rain general in the east of Iceland. Considerable amounts of rain falling during day in isolated parts of the Continent, and thunderstorms, with heavy rain, in many parts of France; smaller quantities at all the Irish stations.

Temperature fallen at most stations in the north-western countries, risen in several regions in the centre and south. Morning readings above 70° at various places on the shores of the Mediterranean, and as high as 76° at Tunis; about 70° over a considerable portion of Germany and also at Bucharest, but only 50° at Madrid and 54° at Oporto and Corunna. Below 50° in the north of these Islands and the far north of the Continent, and below 40° at Vardö. Maxima during day not exceeding 70° in any part of our Islands, and below 60° in the north and west, and also locally at Biarritz, but between 80° and 90° in many parts of the Continent.

Wind in morning showing a well marked cyclonic circulation in the extreme north-west of our area, the North-Easterly current in Iceland being light to high. Very light and rather irregular cyclonic breezes prevailing over the Spanish Peninsula and the adjacent part of France and the Mediterranean, and light and variable or anticyclonic winds over the greater part of Russia. No change of importance during day.

Barometer in morning ranging from above 30.1 ins. in the extreme south-west of Spain and above 30.0 ins. over a large area in Russia to below 29.4 ins. in a depression centred near Thorshavn. Relatively low in a disturbance in the extreme north of Russia, and also in a very shallow system extending from the south-west of France to Corsica and Sardinia. A shallow ill-defined depression shown over South Wales. New depression appearing off the south-west of Ireland by evening; disturbance near Faeröe moving eastward and that over Northern Russia disappearing from our area.

Saturday, 4th June, 1910.



VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.	Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. May 30th, 10.4 a.m. to 11.1 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity .. Wind ..	286.5° 70% 270°, 9	285° 70% 270°, 14	281.5° 80% 270°, 16	277.5° 90% 260°, 18			275° 95% 260°, 16	Cumulus not reached.

APPARATUS USED IN THE KITE ASCENT.

No. of Ascent.	1
No. of Kites	1
Area of Surface (sq. metres) ..	4
Length of Wire (metres) ..	1,700

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 185

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
118, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 23.

TWENTY-THIRD WEEK, SUNDAY, JUNE 5TH, TO SATURDAY, JUNE 11TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was generally very fair to fine and bright in Scotland. A predominance of fair weather was experienced also in the north-east and east of England, but elsewhere the conditions, although occasionally fine and bright, were mostly dull and close. Thunderstorms of considerable severity and accompanied in many places by heavy falls of rain and hail occurred in some parts of England every day, but were rarely experienced in Ireland.

Temperature was above the average, the excess amounting to between 4° and 5° over the greater part of England and also in Scotland W. The highest of the maxima were registered either on the 8th or 9th at the majority of stations, and ranged from 80° in England N.E. and 79° in Scotland E. and England E. and N.W. to 72° in Ireland S. The lowest of the minima, which were registered on the 5th or 6th, varied from 33° in Scotland E., and 34° in Scotland N. to 48° in England S.E. and the English Channel and to 49° in England E. During the latter half of the week the minima over the south-east and south of England were very high. The lowest grass readings reported were 31° at Balmoral, 32° at Crathes, 35° at West Linton, 37° at Newton Rigg and Glasgow, and 39° at Marchmont and Sheffield.

Mean Temperature of the Sea was higher than during the corresponding week of last year on many parts of the east and north-east coasts, and lower at most western and north-western stations. The values ranged from 60° at Margate, 59° at Eastbourne, and 57° at Newquay, Plymouth and Sheephaven to a trifle below 50° or 51° in several places on our north and north-east coasts.

Rainfall varied greatly in different localities. In Scotland and the north-east and east of England it was below the average, but elsewhere it was in excess, the difference from the normal being large in most parts of England. Falls of an inch or more were very common on Sunday and Thursday over a large portion of England and Wales and similarly large amounts occurred on some other days. The heaviest falls reported Sunday were 2.06 ins. at Cardiff, 1.85 in. at Bristol, and about 1.5 in. at Clifton and Llangammarch Wells; on Monday 1.66 in. fell at Aberystwyth, while at Salisbury nearly the whole of a measurement of 3.53 ins. fell between 1 and 4 a.m. On Thursday about 1.55 ins. was recorded at Bath and Clifton, 1.3 in. at Jersey and between 1 in. and 1.2 in. at many places in the southern half of England and Wales. More than an inch also fell at Bristol and at some Welsh stations on Friday.

Bright Sunshine exceeded the normal in Scotland, but was deficient in England and Ireland. The percentage of the possible duration ranged from 56 to 49 in the Scottish districts and from 39 in England N.W. to 21 in the Midland Counties, 15 in the English Channel and 13 in England S.W.

Barometer and Wind.—During the earlier days of the period the barometer was highest in an anticyclone centred off the north of Scotland and lowest over France and Germany, the wind being light to fresh or strong from the North-Eastward over the greater portion of the United Kingdom. Later in the week the northern anticyclone moved on to Scandinavia and the barometer became relatively high over the Bay of Biscay also, while an ill-defined low pressure system covered England, the southern part of the North Sea, and the adjacent regions of the Continent. The wind consequently fell light in force and became rather variable in direction, although light airs from some Northerly point predominated.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 180.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Unusual	Moderate	Moderate
	Rainfall ...	Light	Light	Light	Moderate	Very heavy	Very heavy	Light	Moderate	Very heavy	Moderate	Heavy	Very heavy
	Sunshine ...	Abundant	Very abundant	Moderate	Scanty	Scanty	Very scanty	Abundant	Moderate	Very scanty	Moderate	Scanty	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 1 week from June 5th, 1910.	Warmth ...	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	0 * 0	0 * 0
		0 * 1	0 * 1	0 * 1	0 * 0	1 * 0	1 * 0	0 * 1	0 * 0	1 * 0	0 * 0	1 * 0	1 * 0
	Sunshine ...	1 * 0	1 * 0	0 * 0	0 * 1	0 * 1	0 * 1	1 * 0	0 * 0	0 * 1	0 * 0	0 * 1	0 * 1

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

TWENTY-THIRD WEEK—June 5th to June 11th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	78	34	62.8	46.9	54.3	+ 3.0	Day-deg. 86	Day-deg. + 19	Day-deg. 0	Day-deg. - 1	1	- 2	Inches. 0.07	Inches. - 0.49	60	+ 21	% 49	% +17
Eastern																		
1. SCOTLAND, EAST	79	33	64.4	45.7	54.4	+ 1.9	87	+ 13	0	- 1	2	0	0.15	- 0.30	68	+ 26	56	+21
2. ENGLAND, N.E.	80	45	63.5	50.0	56.3	+ 2.8	100	+ 20	0	0	1	- 2	0.08	- 0.36	41	- 2	35	- 2
3. ENGLAND, EAST	79	49	67.4	53.7	60.1	+ 4.7	127	+ 33	0	0	2	- 1	0.43	- 0.10	39	- 9	34	- 8
4. MIDLAND COUNTIES	78	45	68.0	53.0	60.0	+ 4.5	126	+ 31	0	0	4	+ 2	1.27	+ 0.79	25	- 19	21	-16
5. ENGLAND, S.E.	78	48	68.1	55.3	61.3	+ 4.8	135	+ 33	0	0	5	+ 2	1.27	+ 0.77	26	- 22	23	-19
Western																		
6. SCOTLAND, WEST	78	38	68.5	49.6	58.4	+ 4.3	115	+ 31	0	0	2	- 1	0.21	- 0.37	61	+ 14	51	+12
7. ENGLAND, N.W.	79	42	67.8	52.1	59.4	+ 4.6	122	+ 33	0	0	3	0	0.55	+ 0.11	45	- 3	39	- 3
8. ENGLAND, S.W.	76	46	64.4	52.7	58.2	+ 2.4	113	+ 16	0	0	5	+ 2	2.01	+ 1.51	15	- 34	13	-30
9. IRELAND, NORTH	75	43	62.9	49.3	55.6	+ 1.5	95	+ 11	0	0	4	+ 1	0.64	+ 0.08	40	- 3	34	- 2
10. IRELAND, SOUTH	72	44	63.6	51.1	56.9	+ 1.4	104	+ 9	0	0	5	+ 2	0.82	+ 0.27	33	- 13	29	-11
11. ENGLISH CHANNEL	78	50	62.6	52.8	57.4	+ 0.8	108	+ 6	0	0	5	+ 2	1.95	+ 1.51	17	- 39	15	-35
THE SEASON (Summer).—Aggregates, &c., for the Period of 1 Week, June 5th to June 11th, 1910.																		
0. SCOTLAND, NORTH	78	34	*	*	*	*	86	+ 19	0	- 1	1	- 2	0.07	- 0.49	60	+ 21	49	+17
Eastern																		
1. SCOTLAND, EAST	79	33	*	*	*	*	87	+ 13	0	- 1	2	0	0.15	- 0.30	68	+ 26	56	+21
2. ENGLAND, N.E.	80	45	*	*	*	*	100	+ 20	0	0	1	- 2	0.08	- 0.36	41	- 2	35	- 2
3. ENGLAND, EAST	79	49	*	*	*	*	127	+ 33	0	0	2	- 1	0.43	- 0.10	39	- 9	34	- 8
4. MIDLAND COUNTIES	78	45	*	*	*	*	126	+ 31	0	0	4	+ 2	1.27	+ 0.79	25	- 19	21	-16
5. ENGLAND, S.E.	78	48	*	*	*	*	135	+ 33	0	0	5	+ 2	1.27	+ 0.77	26	- 22	23	-19
Western																		
6. SCOTLAND, WEST	78	38	*	*	*	*	115	+ 31	0	0	2	- 1	0.21	- 0.37	61	+ 14	51	+12
7. ENGLAND, N.W.	79	42	*	*	*	*	122	+ 33	0	0	3	0	0.55	+ 0.11	45	- 3	39	- 3
8. ENGLAND, S.W.	76	46	*	*	*	*	113	+ 16	0	0	5	+ 2	2.01	+ 1.51	15	- 34	13	-30
9. IRELAND, NORTH	75	43	*	*	*	*	95	+ 11	0	0	4	+ 1	0.64	+ 0.08	40	- 3	34	- 2
10. IRELAND, SOUTH	72	44	*	*	*	*	104	+ 9	0	0	5	+ 2	0.82	+ 0.27	33	- 13	29	-11
11. ENGLISH CHANNEL	78	50	*	*	*	*	108	+ 6	0	0	5	+ 2	1.95	+ 1.51	17	- 39	15	-35
THE YEAR.—Aggregates, &c., for the Period of 23 Weeks, January 2nd to June 11th, 1910.																		
0. SCOTLAND, NORTH	78	2	*	*	*	*	539	+24	595	+ 39	113	+ 6	24.68	+3.23	600	+66	31	+ 3
Eastern																		
1. SCOTLAND, EAST	79	-10	*	*	*	*	599	- 6	636	+ 16	93	+ 7	12.73	+1.02	664	+54	34	+ 3
2. ENGLAND, N.E.	80	6	*	*	*	*	738	+106	454	- 21	88	+ 8	9.57	+0.65	640	- 5	33	0
3. ENGLAND, EAST	83	17	*	*	*	*	893	+108	393	-123	88	+10	10.74	+1.89	738	+55	38	+ 3
4. MIDLAND COUNTIES	79	10	*	*	*	*	881	+ 67	474	- 59	93	+17	11.41	+1.22	649	+39	34	+ 2
5. ENGLAND, S.E.	78	13	*	*	*	*	936	+ 67	294	- 87	95	+21	13.02	+2.91	729	+50	38	+ 3
Western																		
6. SCOTLAND, WEST	78	0	*	*	*	*	733	+ 57	432	+ 7	104	+12	19.68	+1.28	635	+16	33	+ 1
7. ENGLAND, N.W.	79	7	*	*	*	*	782	+ 69	338	- 48	107	+23	16.08	+3.35	673	+54	35	+ 3
8. ENGLAND, S.W.	77	8	*	*	*	*	885	+ 23	242	- 59	101	+18	17.89	+3.31	710	+25	37	+ 1
9. IRELAND, NORTH	75	7	*	*	*	*	748	+ 4	351	+ 6	115	+17	17.35	+2.83	579	-24	30	- 1
10. IRELAND, SOUTH	78	18	*	*	*	*	922	+ 8	258	- 1	116	+27	19.31	+3.24	628	-39	33	- 2
11. ENGLISH CHANNEL	78	28	*	*	*	*	1041	+ 20	54	- 55	99	+ 9	16.36	+4.00	788	-31	41	- 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					NAMES OF STATIONS.
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.				
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°	Below 42°		
0. SCOTLAND, N.	<i>a</i> , Islands.																				
	<i>p</i> Balta Sound	8	60	8th	38	7th	55.8	43.1	49.0	—	Day	Day	1	0.07	—	74.8	—	53	—	Balta Sound.	
	<i>a</i> Sumburgh Head	58	10th, 11th	?	?	?	55.1	?	?	—	—	—	1	0.05	—	70.7	+33.3	57	+27	Deerness.	
	<i>a</i> Stornoway	72	8th	42	5th	63.0	47.4	54.7	+ 4.5	89	0	1	0.01	—	0.52	86.8	+43.7	71	+36	Stornoway.	
	<i>a</i> Castlebay, Barra Isd.	71	8th	45	6th	62.6	50.1	55.9	+ 2.4	97	0	2	0.20	—	—	72.7	—	60	—	Castlebay.	
	<i>a</i> Wick	62	11th	34	7th	57.7	44.4	50.6	+ 0.4	60	0	0	0.00	—	0.42	—	—	—	—	Strathpeffer.	
	<i>p</i> Strathpeffer	72	8, 9, 11th	40	6th	63.8	47.1	54.9	+ 3.1	90	0	2	0.13	—	0.30	43.3	+ 5.5	36	+ 5	Strathpeffer.	
1. SCOTLAND, E. ...	<i>a</i> , Main-land.																				
	<i>p</i> Glencarron	78	8th	41	6th	65.0	47.0	55.4	+ 4.7	94	0	0	0.00	—	0.97	—	—	—	—	Fort Augustus.	
	<i>p</i> Fort Augustus	73	8th	44	5th	61.3	47.6	54.0	+ 2.1	84	0	3	0.27	—	0.20	40.7	+ 9.4	33	+ 8	Fort Augustus.	
	<i>p</i> Fort William	78	8th	40	5th	65.8	47.7	56.1	+ 3.1	99	0	2	0.02	—	0.81	—	—	—	—	Fort William.	
	<i>p</i> Gordon Castle	77	9th	42	5th	66.2	46.9	55.9	+ 3.6	97	0	0	0.00	—	0.48	53.6	—	44	—	Gordon Castle.	
	<i>a</i> Nairn	79	8th	42	6th	62.4	46.1	53.7	+ 1.3	82	0	2	0.27	—	0.12	47.0	—	39	—	Nairn.	
	<i>a</i> Aberdeen	67	10th	41	5th	61.4	46.6	53.5	+ 1.8	81	0	1	0.01	—	0.42	80.8	+37.4	66	+31	Aberdeen.	
2. ENGLAND, N.E.	<i>a</i> , North.																				
	<i>a</i> Balmoral	76	11th	33	5th	63.3	40.1	53.2	+ 3.0	86	5	2	0.10	—	0.42	71.5	—	59	—	Crathes S.	
	<i>p</i> Crieff	79	11th	37	5th, 6th	70.3	45.5	57.0	+ 3.0	105	0	2	0.09	—	0.53	77.6	—	65	—	Balruidery.	
	<i>a</i> Leith	70	11th	46	5th, 6th	60.0	48.3	53.7	+ 0.1	82	0	3	0.07	—	0.33	—	—	—	—	Edinburgh.	
	<i>a</i> West Linton	70	8th, 10th	39	5th	63.6	45.2	53.8	+ 3.1	83	0	2	0.62	—	52.0	—	44	—	—	West Linton.	
	<i>p</i> Marchmont	71	10th	42	5th	63.1	46.7	54.3	+ 2.8	86	0	0	0.00	—	0.53	64.5	+22.5	54	+19	Marchmont.	
	<i>a</i> Marchmont	71	10th	42	5th	63.1	46.7	54.3	+ 2.8	86	0	0	0.00	—	0.53	64.5	+22.5	54	+19	Marchmont.	
3. ENGLAND, E.	<i>a</i> , South.																				
	<i>a</i> Alnwick Castle	70	11th	46	5, 6, 8th	63.8	47.6	55.1	+ 3.1	92	0	1	0.03	—	0.44	57.1	—	48	—	Cockle Park.	
	<i>a</i> Shields	65	11th	45	6th	59.6	47.7	53.2	+ 1.2	78	0	2	0.02	—	0.41	40.5	+ 7.2	34	+ 6	Newcastle.	
	<i>p</i> Durham	73	9th	46	5th, 6th	63.7	49.2	56.0	+ 2.9	98	0	0	0.00	—	0.42	39.1	—	33	0	Durham.	
	<i>p</i> Rounton	73	9th	47	5th, 6th	61.5	49.7	55.2	+ 3.2	92	0	1	0.01	—	0.45	—	—	—	—	Scarborough.	
	<i>p</i> Scarborough	66	9th	48	5th, 6th	59.7	50.3	54.7	+ 1.4	89	0	1	0.30	—	0.13	23.6	—	20	—	Scarborough.	
	<i>p</i> York	78	9th	49	6th	68.6	52.1	59.8	+ 4.6	125	0	0	0.00	—	0.47	54.7	+14.3	47	+12	York.	
4. MIDLAND COUNTIES.	<i>a</i> , South.																				
	<i>a</i> Spurn Head	65	9th	49	6th	60.0	50.9	55.1	+ 1.1	92	0	1	0.03	—	0.31	—	—	—	—	Skegness.	
	<i>a</i> Lincoln	80	9th	47	6th	71.2	52.4	61.2	+ 6.0	134	0	2	0.22	—	0.22	35.3	—	31	—	Rauceby.	
	<i>a</i> Fulbeck	80	9th	47	6th	71.2	52.4	61.2	+ 6.0	134	0	2	0.22	—	0.22	35.3	—	31	—	Lowestoft.	
	<i>p</i> Cromer	73	8th	50	6, 9, 11th	61.4	51.0	55.5	+ 1.8	97	0	4	0.05	—	—	40.4	—	35	—	Cromer.	
	<i>p</i> Hillington	76	9th	49	5th	67.8	52.2	59.5	+ 4.6	123	0	1	0.06	—	0.42	41.8	—	36	—	Hillington.	
	<i>a</i> Yarmouth	70	10th	52	5th, 6th	64.4	54.0	59.5	+ 4.6	118	0	0	0.00	—	0.40	63.5	—	55	—	Yarmouth.	
5. ENGLAND, S.E. ...	<i>a</i> , North.																				
	<i>a</i> Norwich	78	9th	52	6th	69.6	54.4	61.5	+ 7.0	137	0	2	0.08	—	—	—	—	—	—	Norwich.	
	<i>p</i> Geldeston	78	7th	49	5th	69.5	53.3	60.8	+ 4.7	132	0	2	0.12	—	0.35	29.6	—	26	—	Geldeston.	
	<i>p</i> Cambridge	71	6th	52	5th	67.1	55.7	61.0	+ 6.0	123	0	2	0.57	—	—	57.1	—	50	—	Cambridge.	
	<i>a</i> Felixstowe	71	6th	53	5th	67.3	55.7	61.1	+ 6.4	134	0	3	0.93	—	—	46.0	—	40	—	Felixstowe.	
	<i>a</i> Clacton-on-Sea	71	6th	53	5th	67.3	55.7	61.1	+ 6.4	134	0	3	0.93	—	—	46.0	—	40	—	Clacton.	
	<i>a</i> Rothamsted	75	8th, 9th	50	5th, 6th	68.2	53.3	60.2	+ 5.3	127	0	4	1.36	—	+ 0.90	22.7	—	20	—	Rothamsted.	
6. ISLE OF MAN	<i>a</i> , South.																				
	<i>a</i> Shoeburyness	72	6th	52	5th, 6th	67.0	54.9	60.5	+ 2.9	130	0	4	0.97	—	+ 0.61	33.6	—	29	—	Shoeburyness.	
	<i>p</i> Tottenham	79	9th	52	5th, 6th	70.8	55.8	62.8	+ 6.5	146	0	3	0.81	—	—	27.8	—	25	—	Tottenham.	
	<i>a</i> Harrogate	74	9th	45	6th	65.6	49.6	57.0	+ 4.1	105	0	2	0.19	—	0.33	42.8	—	37	—	Harrogate.	
	<i>a</i> Bawtry	78	9th	48	6th	69.7	52.0	60.2	+ 4.8	127	0	2	0.80	—	+ 0.39	36.1	—	31	—	Bawtry.	
	<i>p</i> Buxton	73	7th	42	5th	66.8	51.0	58.4	+ 6.8	115	0	2	0.72	—	+ 0.01	38.9	—	34	—	Buxton.	
	<i>a</i> Nottingham	75	9th	48	6th	68.9	52.7	60.2	+ 4.9	127	0	2	0.35	—	0.03	32.1	—	28	—	Nottingham.	
7. ENGLAND, N.W. ...	<i>a</i> , East.																				
	<i>p</i> Birmingham, Edgbn	73	7th	48	6th	67.6	53.6	60.1	+ 5.2	127	0	3	0.26	—	0.24	12.9	—	11	—	Birmingham.	
	<i>a</i> Raunds	76	8th, 9th	48	6th	69.4	53.1	60.7	+ 5.4	131	0	2	0.08	—	—	—	—	—	—	Raunds.	
	<i>a</i> Oxford	75	8th	50	6th	67.7	55.0	60.9	+ 4.9	132	0	4	1.89	—	+ 1.44	16.8	—	15	—	Oxford.	
	<i>a</i> Chislehurst	73	7th	47	5th	67.8	52.7	59.7	+ 6.1	124	0	3	0.20	—	0.34	27.4	—	24	—	Chislehurst.	
	<i>p</i> Shrewsbury	74	9th	48	5th, 6th	68.8	53.6	60.7	+ 5.1	131	0	5	0.44	—	—	—	—	—	—	Shrewsbury.	
	<i>a</i> Hereford	73	8th	47	6th	67.7	53.7	60.2	+ 4.3	127	0	6	2.67	—	+ 2.16	—	—	—	—	Hereford.	
8. ENGLAND, S.W. ...	<i>a</i> , West.																				
	<i>a</i> Cirencester	73	8th	47	6th	67.0	52.9	59.5	+ 4.8	123	0	5	3.23	—	+ 2.72	12.3	—	11	—	Cirencester.	
	<i>a</i> Bath	76	8th	49	6th	67.7	54.4	60.6	+ 4.5	130	0	6	3.85	—	+ 3.34	15.7	—	14	—	Bath.	
	<i>a</i> Kew	77	9th	52	5th	69.8	56.5	62.7	+ 6.2	145	0	4	0.82	—	+ 0.37	19.5	—	17	—	Kew.	
	<i>a</i> Marlborough	75	8th	48	6th	67.3	54.2	60.3	+ 6.1	128	0	7	2.79	—	+ 2.29	13.3	—				

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound ..	—	—	52.5	—	4. Harrogate ..	0	45	53.8	51.1	6. Dumfries ..	0	43	58.0	53.7
1. Aberdeen ..	0	32	55.1	50.2	5. Huddersfield ..	0	45	56.0	49.3	7. Douglas ..	0	45	—	—
2. Crathes ..	0	31	—	—	6. Buxton ..	0	43	55.9	48.7	8. Aspatria ..	0	42	57.3	50.2
3. Balmoral ..	0	35	—	—	7. Sheffield ..	0	39	55.4	49.7	9. Newton Rigg ..	3	37	58.0	51.4
4. West Linton ..	0	39	54.9	—	8. Nottingham ..	0	46	58.6	52.8	10. Burnley ..	0	44	55.8	49.6
5. Marchmont ..	0	43	57.8	51.2	9. Birmingham ..	0	45	53.8	48.7	11. Southport ..	0	44	60.1	55.5
6. Cockle Park ..	0	45	—	—	10. Hereford ..	0	42	57.2	52.3	12. Manchester City ..	0	47	57.4	52.3
7. Durham ..	0	45	56.4	51.3	11. Cirencester ..	0	45	59.8	55.3	13. Bettws-y-Coed ..	0	47	56.7	50.6
8. York ..	0	46	57.7	50.3	12. Bath ..	0	49	59.2	54.1	14. Llangammarch Wells ..	0	44	55.9	50.8
9. Hull ..	0	45	61.1	52.5	13. Margate ..	0	46	—	—	15. Cardiff ..	0	47	58.9	53.4
10. Lincoln ..	0	45	62.7	56.4	14. Greenwich ..	0	51	—	—	16. Clifton ..	0	45	—	—
11. Ranceby ..	0	47	62.7	56.4	15. Westminster ..	0	52	60.2	53.6	17. Plymouth ..	0	48	—	—
12. Norwich ..	0	47	61.5	55.1	16. Kew ..	0	50	59.7	54.9	18. Armagh ..	0	43	57.3	52.5
13. Yarmouth ..	0	44	60.3	55.7	17. Canterbury ..	0	50	62.0	—	19. Markree ..	0	40	57.8	53.1
14. Lowestoft ..	0	44	61.7	—	18. Tunbridge Wells ..	0	49	60.2	54.8	20. Dublin, Trin. Coll. ..	0	46	56.6	52.9
15. Cambridge ..	0	47	60.9	55.7	19. Wisley ..	0	51	62.0	55.0	21. Guernsey, Brooklyn ..	0	49	59.7	55.4
16. Clacton-on-Sea ..	0	47	61.7	—	20. Worthing ..	0	49	61.2	56.3					
17. Southend ..	0	51	—	54.8	21. Portsmouth ..	0	37	—	—					
18. Tottenham ..	0	51	—	54.8	22. Glasgow ..	0	41	—	50.7					
					23. Rothesay ..	0	—	—	—					
					24. Colmonell ..	0	—	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick ..	50	49	49.4	SCOTLAND, W.	Lamlash ..	52	50	51.2
	Kirkwall ..	51	50	50.9		Ballantrae ..	52	50	51.1
	Wick ..	51	49	49.6	ENGLAND, N.W.	Port Erin ..	54	49	50.5
	Cromarty ..	55	49	51.5		Newquay ..	57	57	57.0
SCOTLAND, E.	Pennan Bay ..	56	53	54.3		Scilly ..	55	52	52.9
	Aberdeen, Cove Bay ..	52	48	50.2	ENGLAND, S.W.	Plymouth ..	58	57	57.0
	Burnmouth, Berwick ..	48	46	47.2		Salcombe ..	56	52	53.3
ENGLAND, N.E.	Scarborough ..	55	48	50.7		Sheephaven ..	57	56	56.6
	Shipwash Lightship ..	57	54	55.1	IRELAND, N.W.	Teelin ..	59	52	55.3
ENGLAND, E.	Margate ..	62	57	59.7		Cleggan ..	58	51	54.3
ENGLAND, S.E.	Eastbourne ..	60	57	58.9	IRELAND, S.W.	Seafeld ..	59	52	55.2
					IRELAND, E.				

† Only one observation each day.

Registering Balloon Ascents.

Height km.	1 Pyrton Hill, Oxon. May 18th, 1910. 7.0 a.m.		2 Pyrton Hill, Oxon. May 18th, 1910. 9.30 p.m.		3 Pyrton Hill, Oxon. May 19th, 1910. 1.52 a.m.		4 Pyrton Hill, Oxon. May 19th, 1910. 6.50 a.m.		5 Pyrton Hill, Oxon. May 19th, 1910. 7.14 p.m.		6 Pyrton Hill, Oxon. May 20th, 1910. 6.56 a.m.		Height km.
	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	
Ground	987	285	990	282.5	987	286.5	985	284.5	985	288.5 or 284	985	290	Ground.
0.5	945	285	950	285	945	287	944	282.5	944	287 or 283	944	290	0.5
1.0	891	281.5	891	282.5	891	283.5	892	279.5	888	283 or 279	889	288	1.0
1.5	839	278.5	841	279	840	280	838	276.5	836	280.5 or 276	839	286	1.5
2.0	790	275.5	790	275 or 274	791	277	787	274	787	277.5 or 274	790	283.5	2.0
2.5	740	272	741	273 or 271	742	272.5	738	271	737	274 or 271	742	280	2.5
3.0	698	269.5	697	270 or 268	697	269.5	693	270 or 268.5	692	270.5 or 268	698	276.5	3.0
3.5	649	266	653	267 or 265.5	657	265.5	651	268 or 266	648	268 or 266	656	272.5	3.5
4.0	609	264	613	264.5 or 262	617	264	609	265 or 263	608	266 or 264	616	268.5	4.0
4.5	569	262	574	260.5 or 258	578	260	573	262.5 or 260.5	569	263 or 261	577	265	4.5
5.0	533	259.5	540	257 or 255	542	257.5	537	260 or 258	533	260 or 257	544	261.5	5.0
5.5	500	255.5	504	253 or 251	507	254	502	257.5 or 255	498	257 or 253.5	508	258	5.5
6.0	467	254	471	250 or 248	474	251.5	471	254.5 or 251.5	467	252.5 or 250	475	255	6.0
6.5	436	250 or 248.5	443	246.5 or 243.5	444	247	439	250.5 or 248	436	249 or 246	443	250.5	6.5
7.0	408	246 or 245	409	243 or 240	414	243	409	246.5 or 244	408	244 or 242	413	246.5	7.0
7.5	381	242 or 241	384	239.5 or 236.5	384	240 or 238	382	243 or 239.5	377	241.5 or 238	384	243	7.5
8.0	355	238 or 236.5	358	234 or 232	358	236.5 or 233.5	356	238 or 236.5	352	237.5 or 234.5	359	239.5	8.0
8.5	329	235.5 or 233	331	230.5 or 228	331	232 or 229.5	331	233.5 or 233	327	233.5 or 231	334	236	8.5
9.0	304	232 or 228.5	307	225.5 or 223	308	228 or 224.5	310	230	302	230 or 227	312	233	9.0
9.5	284	228 or 224.5	284	222 or 219	285	225 or 220	287	227	281	225 or 223	289	229.5	9.5
10.0	264	224 or 220.5	264	218 or 216.5	262	221 or 215	264	224	260	221 or 219	271	226	10.0
11.0	224	224 or 220	225	216.5	228	218 or 215.5	230	221	222	214 or 212	231	222.5 or 222	11.0
12.0	195	226 or 220.5	192	221	196	220.5 or 219	193	225	190	213	198	222 or 216.5	12.0
13.0	165	222.5 or 225.5	167	221	168	221 or 218	169	223.5	163	218	169	223 or 219	13.0
14.0	142	229 or 228	142	221	142	219	144	228	138	216.5	142	226 or 223.5	14.0
15.0	123	228.5 or 225	121	221			124	229	118	219	124	228 or 226	15.0
16.0	105	229 or 226					108	228.5	100	219	107	229.5 or 227.5	16.0
17.0	991	230 or 228					993	228	985	219	992	228.5 or 227.5	17.0

1.—Balloon fell at Pershore, Worcestershire, distant 88 km., direction 306°. Mean Temperature Gradient (Ground to 10 km.) '63° per 100 metres. Good trace. Lowest temperature at 10.3 km., 216°. Overcast, raining. 2.—Balloon fell near Rugby, distant 80 km., direction 348°. Mean Temperature Gradient (Ground to 10 km.) '66° per 100 metres. Lowest temperature at 10.3 km., 216°. Good trace. Calm, lunar halo. 3.—Balloon fell in sea near Fleetwood, distant 300 km., direction 359°. Mean Temperature Gradient (Ground to 10 km.) '68° per 100 metres. Good trace. Lowest on one trace 213° at 10.3 km., and 218° at 11.1 km. on the other. The balloon did not burst, and therefore the two traces may refer to points at a considerable distance apart. Calm, overcast. 4.—Balloon fell at Leamington Spa, distant 80 km., direction 332°. Mean Temperature Gradient (Ground to 10.8 km.) '60° per 100 metres. Good trace. Lowest temperature 229° at 10.8 km. 5.—Balloon fell near Wickworth, distant 156 km., direction 249°. Mean Temperature Gradient (Ground to 11 km.) '66° per 100 metres. A very good trace. Trifling inversion at 3.5 km. Overcast, thunderstorm at 9 p.m. 6.—Balloon fell near Ashby, Market Drayton, distant 200 km., direction 219°. Mean Temperature Gradient (Ground to 12 km.) '59° per 100 metres. Lowest temperature 221.5° at 11.6 km. on one trace, 216.5° at 12.1 km. on the other. Greatest height 17.6 km., pressure '084 mgd., temperature 227° A. Clear, but hazy, wind 135° S.

Sunday, 5th June, 1910.

Temperature and Weather.

7 a.m.



Weather in morning cloudy or overcast over most parts of these Islands, France, and on the coast of Algeria, with rain at Birr Castle, Biarritz, Oran, and Algiers. Fair to very bright in most other regions, but dull at many places in the extreme north, and rainy at Bodö. Thunderstorms occurring later in several parts of this country, with heavy local rains. As much as 1.4 in. measured at Bath. Heavy rain in the south of France, with thunder in places; more than an inch of rain experienced in some parts of northern Italy, and considerable amounts on the shores of the Adriatic and in the Balearic Isles.

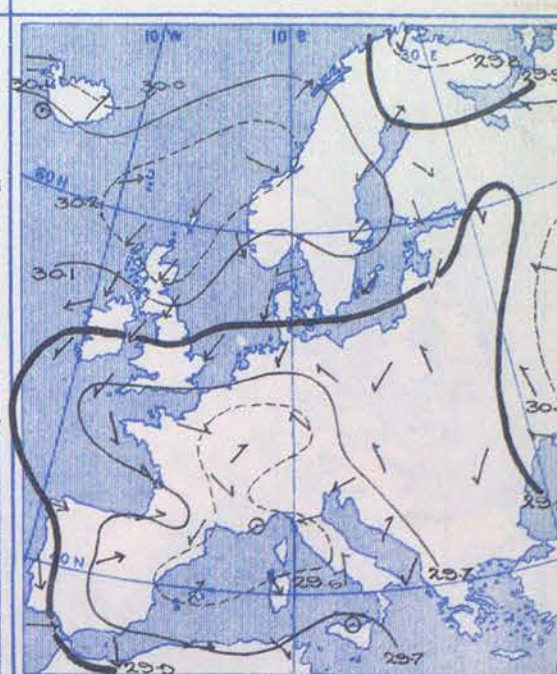
Temperature risen in most regions, but fallen in many parts of the United Kingdom. Morning readings ranging from above 70° at a few stations in the far south, and also at Kieff and Neu-Fahrwasser, to below 50° over a considerable area in the north and north-west of the United Kingdom, in the north-west and north of Norway, and at Archangel. Rising to 70° during day at some places on our south coast, but remaining below 60° in Ireland and Scotland. Maxima above 80° at many places in central Europe; about 90° at some German stations.

Barometer and Wind.

7 a.m.



6 p.m.



Wind in morning showing partial or complete cyclonic circulations over the greater portion of our area, but an anticyclonic movement over Scotland and its neighbourhood. Moderate to strong North-Easterly breezes prevailing over England and the Channel, and moderate to fresh or strong breezes from various quarters over the south of our area. A North-Western gale continuing all day at Malaga. Remaining fresh or strong from the North-East over most of this country.

Barometer above 30.1 ins. in an anticyclone having its maximum off the north of Scotland and also in the north-east of Russia; below 29.6 ins. in a depression over Western Germany, and below 29.5 ins. in a system having its centre near Elba. No very great modification later in the general distribution, but northern high pressure system increasing in intensity, and pressure rising throughout these Islands, Scandinavia, and Iceland.

Monday, 6th June, 1910.

Temperature and Weather.

7 a.m.



Weather in morning cloudy or overcast in nearly all parts of these Islands, with rain at Pembroke and Birr Castle; overcast at many stations in France, Spain and Portugal, and Italy, with rain at Nice. Fair to very fine in almost all other regions. Thunderstorms in many English localities later and also over a wide area in France, but no heavy measurement of rain reported.

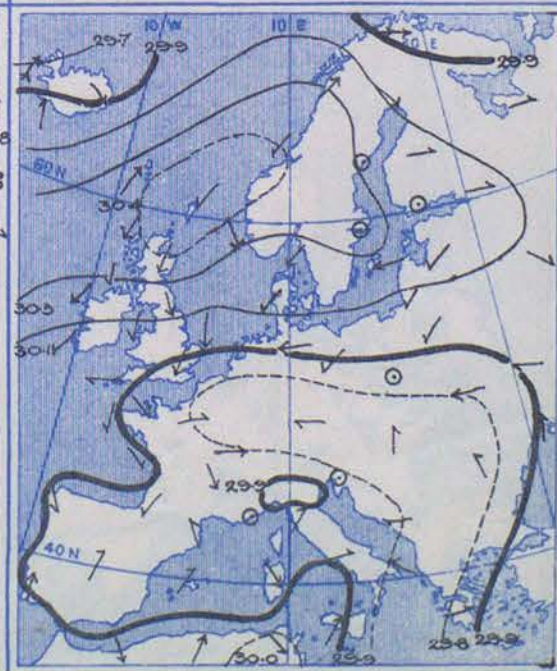
Temperature risen in most parts of France and central Europe. Morning readings 75° at Berlin, about 70° at Cassel, in the south of Russia, and at several stations in the south of our area; above 55° in the south-east of England, below 50° in the north of these Islands, and also in the north of Norway and Finland. Maxima during day 70° or a little higher in various parts of Great Britain, but below 55° in the extreme north-east; thermometer rising to 80° or above in many parts of central Europe and the east of France, and touching 86° at Berlin and 88° at Nancy. Shade minimum at night, 34° at Wick.

Barometer and Wind.

7 a.m.



6 p.m.



Wind in morning anticyclonic in the north and north-west of our area, cyclonic elsewhere. Westerly current light to strong in Iceland, and that from the North-Eastward moderate to strong or high over the North Sea and the major portion of these Islands. Increasing to a whole gale from South-West by evening at Isafjord, and some local changes taking place elsewhere, but general currents remaining unaltered.

Barometer in morning ranging from above 30.4 ins. in an anticyclone centred off the north of Scotland to below 29.5 ins. in the far north-west and north-east of our area, and to below 29.7 ins. in a large shallow system covering Italy and extending to South Germany and the east of France. Very little change during day in the general distribution of pressure, but southern depression undergoing some modification in form, and barometer falling decidedly in Iceland.

Tuesday, 7th June, 1910.

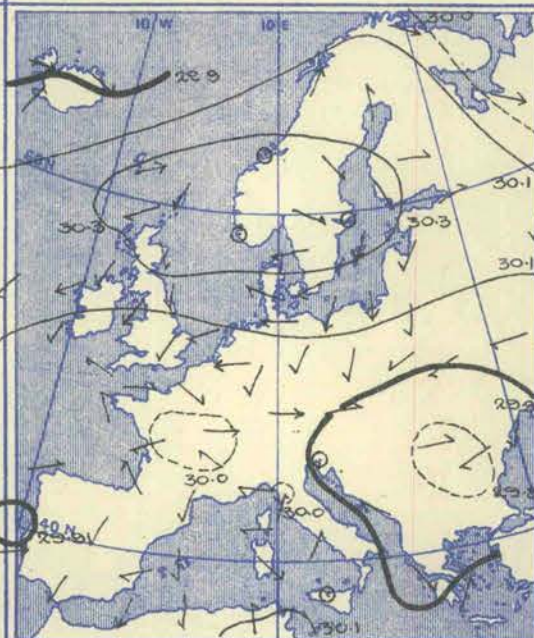
Temperature and Weather.

7 a.m.

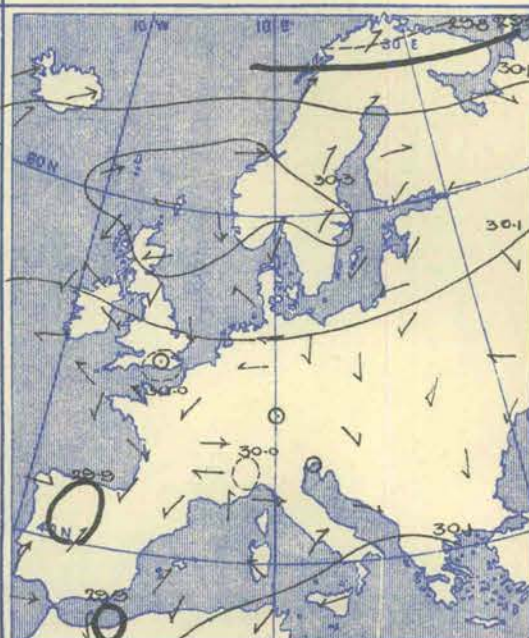


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright generally, but dull at some stations in southern England, and also on the Atlantic coast of the Peninsula, with rain at Oxford and Corunna; a thunderstorm prevailing at Bucharest. Thunderstorms later in many parts of Ireland, Wales, England, France, the Low Countries, with heavy rain locally; about 1.25 in. at Utrecht, and nearly an inch at Buda-Pesth and Bucharest.

Temperature risen in most regions, fallen in Russia. Morning readings about 70° at some German stations and at several on the shores of the Mediterranean, and as high as 77° at Patras. Nearly 60° in England, but about 50° in the north-east of Scotland; below 50° in the far north of the Continent. Maxima during day 75° or above in various parts of Great Britain, but much lower on north-east coast; about 80° over a large area in central and southern Europe, and as high as 86° at Utrecht.

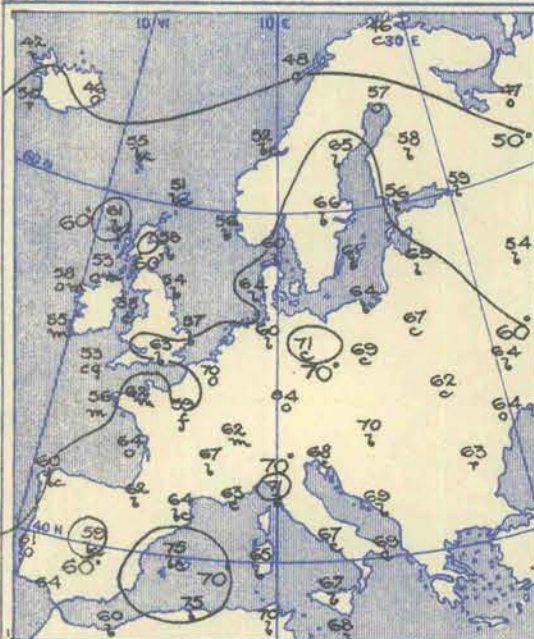
Wind in morning anticyclonic over the north of these Islands and the northern regions of the Continent, cyclonic elsewhere. Light generally, but moderate in places. Strong winds or gales from the Westward prevalent in Iceland. No important change later; decreasing in strength in Iceland, but increasing to a high wind from South-West at Bodø.

Barometer in morning ranging from above 30.3 ins. in a high pressure system covering a large portion of Scandinavia and the north of Britain to below 29.9 ins. off the north of Iceland, and to less than 29.8 ins. in a shallow depression centred near Bucharest. Not much change later in the general distribution, but a small depression appearing over the south-east of England, and shallow systems over Spain and other southern regions. Pressure increasing again in Iceland, falling in the north of Scandinavia.

Wednesday, 8th June, 1910.

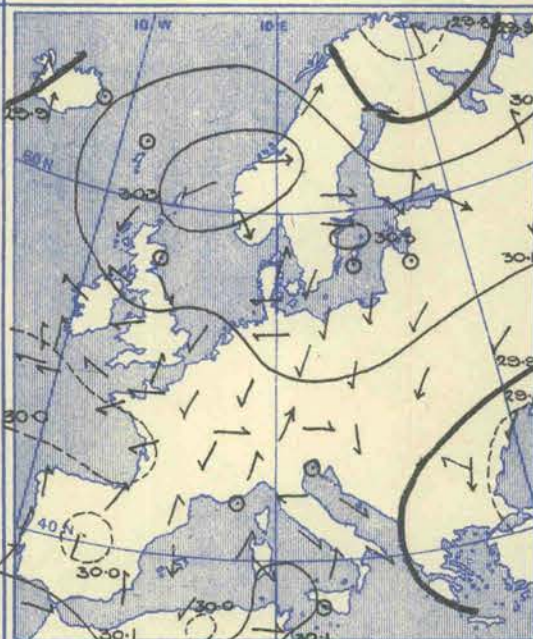
Temperature and Weather.

7 a.m.



Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning dull, with some rain, over a considerable part of England and Ireland, and foggy or misty on several parts of the coast. Fine or fair in Scotland and over the major portion of the Continent, but rainy at Bucharest and also at Cagliari. Thunderstorms occurring later in the west and south-west of England, as well as in several French localities and at Buda-Pesth. Some heavy rain falling in places; 1.1 in. at Jersey, 0.9 in. at La Hagne, and 1.2 in. at Groningen.

Temperature changed rather irregularly; risen in England and Scandinavia. Morning readings ranging from about 70° over a wide area in southern and central Europe, and above 60° in the south of England and in the Hebrides, to below 50° at Nairn and in the extreme north of Europe. Rising later to 79° at Nairn, Oban, and Hernösand, to above 70° in various parts of England and in central Ireland, and to about 80° in many localities over the southern half of Europe; highest readings, 86° at Palma, 87° at Limoges, and 88° at Tunis.

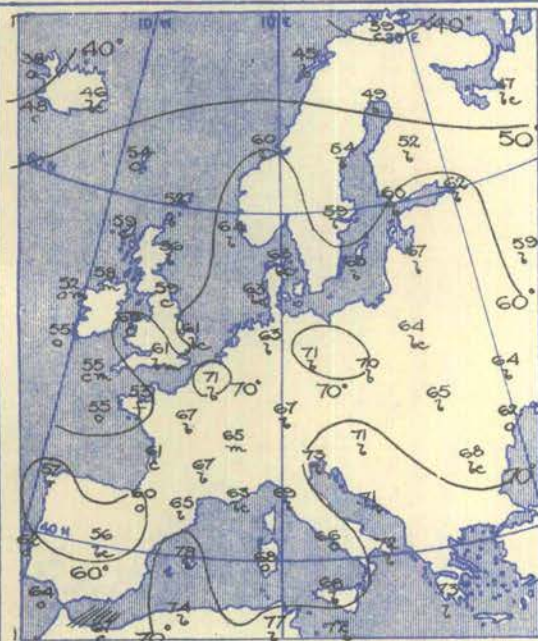
Wind in morning light in force generally and varying considerably in direction, but mainly anticyclonic over the north of this country and most of Scandinavia and the Baltic, and cyclonic elsewhere. Becoming more variable over a large part of our area by evening and remaining very light generally, but increasing to a strong gale from West-North-West at Vardø and to a fresh or strong breeze from the Westward in Iceland.

Barometer in morning above 30.3 ins. in an anticyclone having its maximum between Shetland and Norway; below 29.8 ins. in a depression over the Black Sea, and also in another disturbance in the far north of Norway. Central portion of anticyclone becoming transferred some distance north-eastward by evening. Pressure giving way briskly in Iceland, and slightly and irregularly over these Islands and their immediate vicinity.

Thursday, 9th June, 1910.

Temperature and Weather.

7 a.m.

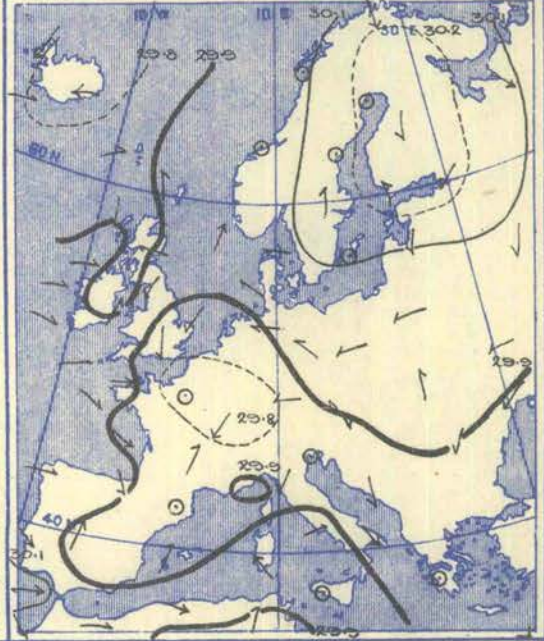


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to very fine generally, but overcast in a few localities, with rain at Odessa, Limoges, and Corunna. Some fog or mist on some parts of the coast of these Islands. Thunderstorms later in many parts of England, France, and the Low Countries, and also at Berne, with very heavy rain in places. About 1.3 in. at Jersey and Bath, about an inch at Boulogne, and amounts varying from 1.0 to 1.3 in. in the south-western departments of France; heavy falls in some Swiss localities and also at Athens.

Temperature changed irregularly. Morning readings ranging from 78° at Palma, 77° at Malta, and about 70° at some other southern stations and in central Europe, to below 50° in the north of Russia and Finland, and to 39° at Vardö. Rising during day to 78° in London, 77° at Seaford, and to above 70° in many other parts of Great Britain. Maxima above 80° at a great number of places on the Continent, and nearly as high in the extreme north of Denmark. Minima during night high over the south of England and in central Europe; 59° in London and above 60° in some German and Austrian localities.

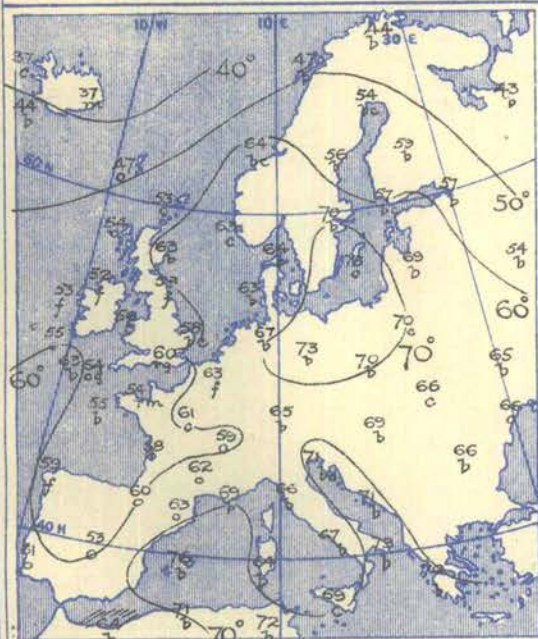
Wind in morning light and variable over this country and a very large portion of the Continent, but a fairly well marked anticyclonic circulation prevailing over Scandinavia and the Baltic region. North-Westerly current strong to high at Vardö and Archangel. No important change later.

Barometer in morning above 30.3 ins. in an anticyclone centred over the north of Scandinavia; below 29.8 ins. in a depression over Iceland and nearly as low 1. some shallow systems in the south of our area. Central portion of anticyclone moving eastward during day. Pressure giving way unsteadily over these Islands, France, and the central countries, and shallow depressions developing over those regions. Another shallow depression extending eastward from Iceland.

Friday, 10th June, 1910.

Temperature and Weather.

7 a.m.

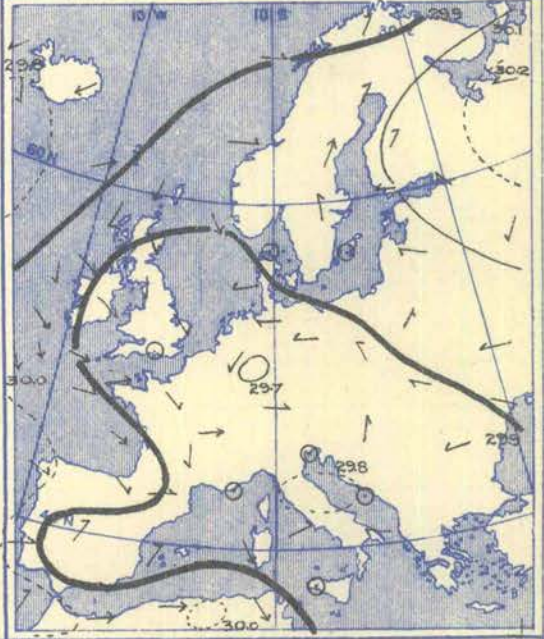


Barometer and Wind.

7 a.m.



6 p.m.



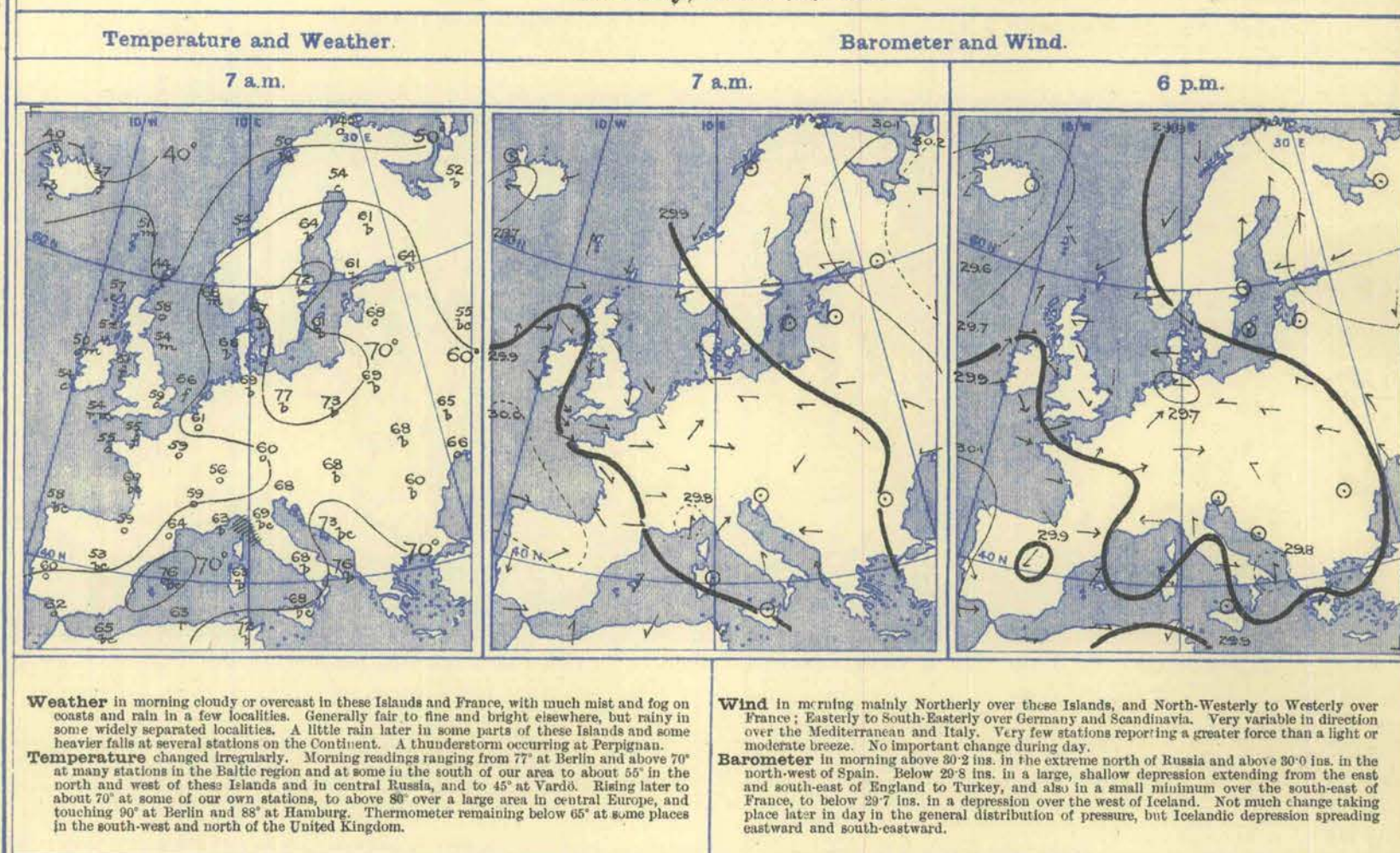
Weather in morning overcast or very cloudy over England and Ireland, with much mist and fog on coasts, and rain, with thunderstorms in places, over the southern and south-eastern counties of England. Dull and rainy over the greater portion of France, and overcast, with some fog, on the Atlantic coast of the Spanish Peninsula. Fair to very fine and bright in nearly all other regions. Thunderstorms later in several parts of England, the Low Countries, and France. Considerable or heavy falls of rain in Switzerland, the adjacent part of Italy, and in some parts of Spain and southern Russia.

Temperature rises in Scotland and Scandinavia, fallen in England, Belgium, and France. Morning readings ranging from 70° or above at many stations on the shores of the Baltic, in Germany, and the far south of our area, to about 60° in the south of England, the east of Scotland, and in Finland, and to below 50° at Vardö and Archangel. Maxima during day about 70° at several places in these Islands, above 80° in Denmark and in central and southern Europe, the highest reading being 88° at Berlin.

Wind in morning mainly cyclonic over these Islands, France, and central and southern Europe, and also over the Icelandic region; anticyclonic over Russia and Scandinavia. Very light generally, but moderate in a few places. No change of a general nature later, but wind increasing in force from between West and North-West along the north coast of Africa.

Barometer in morning above 30.2 ins. over the northern half of Russia, and above 30.1 ins. in the extreme south-west of our area; below 29.8 ins. in a shallow depression covering the south-east of England and a considerable portion of the Continent, and also in another system over Iceland. No change later in the general disposition of pressure, but main cyclonic system becoming rather larger by evening, and pressure decreasing somewhat over the north of Russia and in Finland.

Saturday, 11th June. 1910.



VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						300 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. June 5th, 10.50 a.m. to 11.30 a.m. and 11.48 a.m. to 12.38 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	288° 95% 40°, 10	286° 95% —, 12	288° 60% 100°, 12					287° 60% 110°, 12	Overcast. Very oppressive and thundery. Alt.-St.
2	June 1st, 10.2 a.m. to 11.3 a.m.	Pyrtan Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	288.5° 80% 20°, 7	288° 80% 20°, 12	286° 90% 45°, 14					287° 80% 80°, 18	Cl.-Cu. moving fast from E.S.E. Wind increasing rapidly with height.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2
No. of Kites	2	1
Area of Surface (sq. metres) ..	7	7
Length of Wire (metres) ..	1,300	750

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
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116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 24.

TWENTY-FOURTH WEEK, SUNDAY, JUNE 12TH, TO SATURDAY, JUNE 18TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was rather unsettled at the commencement of the week, with slight falls of rain over a considerable portion of the Kingdom, and thunderstorms, or thunder only, in some parts of southern and north-western England. The conditions subsequently became very dry and generally bright, but a good deal of fog was experienced on some parts of the coast—mostly in the south and west.

Temperature was about equal to the normal in England S.W. and the English Channel, but was above it elsewhere, the excess amounting to nearly 3° in Scotland N. The highest of the maxima occurred, as a rule, late in the week, and ranged from 78° in the Midland Counties and 77° in several other parts of Great Britain to 72° in the English Channel and to 71° in Ireland N. The lowest of the minima were recorded on rather irregular dates, most commonly on the 14th and 15th. In Scotland E. (at Balmoral on the 18th) there was a reading of 32°, but elsewhere the values ranged from 34° in England S.W. to 41° in Ireland S., and to 49° in the English Channel. The lowest grass readings reported were 26° at Llangammarch Wells, 28° at Balmoral and Hereford, 30° at West Linton, and 31° at Marchmont and Armagh.

Mean Temperature of the Sea. At all the stations except some in the west and north-west the water was warmer than during the corresponding week of last year, the greatest difference being nearly 4° at Margate. The mean temperature for the week ranged from 61° at Margate, 59° at Eastbourne and Teelin, and 58° at Newquay to about 51° at Ballantrae and Port Erin, and to about 50° at Lerwick, Wick and Burnmouth.

Rainfall was less than the average in all districts. At many stations in England and Wales, and at some in Ireland and Scotland, the week was quite rainless.

Bright Sunshine exceeded the normal very generally. The percentage of the possible duration ranged from 64 in the English Channel, 62 in England S.W. and 51 in Scotland W. to 40 in Scotland N., and to 39 in Ireland N.

Barometer and Wind.—Soon after the beginning of the week an anticyclone began to extend over these Islands from the south-westward, and the main current of wind over this country became North-Westerly. During the latter half of the period the centre of the anticyclonic system lay over the United Kingdom or somewhat to the north-east or north, and the wind, after having fallen very light, blew from some point between South-East and North-East. At the end of the week pressure was giving way slowly, under the influence of a large depression on the Atlantic.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 180.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate
	Rainfall ...	Moderate	Light	Light	Very light	Very light	Light	Very light	Nought	Nought	Moderate	Very light	Nought
	Sunshine ...	Abundant	Abundant	Abundant	Moderate	Abundant	Moderate	Abundant	Abundant	Abundant	Moderate	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 2 weeks from June 5th, 1910.	Warmth ...	2*0	1*0	1*0	1*0	2*0	1*0	1*0	1*0	1*0	2*0	0*0	0*0
		0*1	0*2	0*2	0*1	1*1	1*1	0*2	0*1	1*1	0*0	1*1	1*1
		2*0	2*0	1*0	0*1	1*1	0*1	2*0	1*0	1*1	0*0	0*1	1*1
	Rainfall ...	0*1	0*2	0*2	0*1	1*1	1*1	0*2	0*1	1*1	0*0	1*1	1*1
		0*1	0*2	0*2	0*1	1*1	1*1	0*2	0*1	1*1	0*0	1*1	1*1
		2*0	2*0	1*0	0*1	1*1	0*1	2*0	1*0	1*1	0*0	0*1	1*1
	Sunshine ...	2*0	2*0	1*0	0*1	1*1	0*1	2*0	1*0	1*1	0*0	0*1	1*1
		2*0	2*0	1*0	0*1	1*1	0*1	2*0	1*0	1*1	0*0	0*1	1*1
		2*0	2*0	1*0	0*1	1*1	0*1	2*0	1*0	1*1	0*0	0*1	1*1

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1*7	1*8	2*7	2*9	2*7	2*10	1*7	1*8	2*7	1*5	1*4	2*8
		3*5	2*6	5*6	5*3	4*4	5*5	4*4	5*4	4*6	1*5	1*9	2*7
		5*3	4*3	1*7	3*6	3*6	4*7	2*4	3*6	4*5	3*5	4*5	4*4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2*6	3*5	2*6	4*5	4*5	3*6	3*7	3*6	3*6	4*7	4*6	3*5
		5*7	5*4	1*4	3*1	3*4	5*4	4*5	4*6	4*5	4*7	5*8	5*5
		5*2	5*3	3*5	2*6	2*5	3*2	5*5	5*2	4*4	5*2	5*2	4*5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1*5	2*4	3*4	4*2	3*2	5*4	3*4	5*3	4*4	3*6	2*6	4*4
		4*2	5*2	5*2	6*1	7*2	5*2	6*1	7*1	7*2	6*3	6*3	5*3
		10*2	6*0	4*2	7*2	8*2	8*2	5*1	8*0	6*1	4*4	4*1	3*3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5*5	3*4	7*1	5*3	5*5	4*6	4*4	4*2	3*5	4*5	3*5	3*4
		5*4	2*3	4*4	7*3	4*4	5*5	4*5	4*5	2*4	3*4	6*4	4*3
		6*1	3*2	2*5	4*3	6*4	5*5	3*4	4*3	4*3	2*5	3*5	4*7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

TWENTY-FOURTH WEEK—June 12th to June 18th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	75	38	64.4	46.9	55.1	+ 2.9	Day-deg. 92	Day-deg. + 19	Day-deg 0	Day-deg. - 1	2	- 2	Inches. 0.34	Inches. - 0.28	49	+ 11	% 40	% + 9
Eastern																		
1. SCOTLAND, EAST	77	32	65.8	45.3	54.8	+ 1.3	90	+ 9	0	0	2	- 2	0.15	- 0.35	56	+ 14	46	+12
2. ENGLAND, N.E.	77	37	65.5	47.4	55.8	+ 1.4	97	+ 10	0	0	1	- 1	0.14	- 0.27	54	+ 11	46	+ 9
3. ENGLAND, EAST	76	39	65.1	49.8	56.9	+ 0.8	104	+ 5	0	0	1	- 2	0.08	- 0.45	53	+ 7	46	+ 6
4. MIDLAND COUNTIES	78	40	68.6	48.2	57.7	+ 1.5	110	+ 11	0	0	1	- 2	0.02	- 0.44	51	+ 9	44	+ 8
5. ENGLAND, S.E.	77	39	66.9	50.6	58.2	+ 1.0	113	+ 7	0	0	1	- 2	0.18	- 0.29	52	+ 5	46	+ 5
Western																		
6. SCOTLAND, WEST	75	37	66.7	47.2	56.3	+ 1.3	100	+ 9	0	0	1	- 2	0.03	- 0.61	60	+ 15	51	+12
7. ENGLAND, N.W.	77	40	66.3	49.3	57.2	+ 1.5	106	+ 10	0	0	0	- 3	0.00	- 0.47	59	+ 12	50	+10
8. ENGLAND, S.W.	75	34	64.8	49.0	56.4	- 0.1	101	- 1	0	0	0	- 3	0.00	- 0.54	71	+ 23	62	+20
9. IRELAND, NORTH	71	40	64.0	49.2	56.1	+ 1.2	99	+ 10	0	0	2	- 2	0.53	- 0.07	46	+ 5	39	+ 4
10. IRELAND, SOUTH	74	41	65.7	50.6	57.6	+ 1.3	109	+ 9	0	0	1	- 2	0.04	- 0.52	48	+ 2	42	+ 2
11. ENGLISH CHANNEL	72	49	64.2	52.1	57.8	+ 0.4	111	+ 4	0	0	0	- 4	0.00	- 0.41	72	+ 16	64	+14
THE SEASON (Summer).—Aggregates, &c., for the Period of 2 Weeks, June 5th to June 18th, 1910.																		
0. SCOTLAND, NORTH	78	34	*	*	*	*	178	+ 38	0	- 2	3	- 4	0.41	- 0.77	109	+ 31	44	+13
Eastern																		
1. SCOTLAND, EAST	79	32	*	*	*	*	177	+ 22	0	- 1	4	- 2	0.30	- 0.65	124	+ 40	51	+16
2. ENGLAND, N.E.	80	37	*	*	*	*	200 §	+ 33	0	0	2	- 3	0.21 §	- 0.64	95	+ 9	41	+ 4
3. ENGLAND, EAST	79	39	*	*	*	*	231	+ 38	0	0	3	- 3	0.48 §	- 0.58	92	- 1	40	- 1
4. MIDLAND COUNTIES	78	40	*	*	*	*	236	+ 42	0	0	5	0	1.29	+ 0.35	76	- 16	33	- 4
5. ENGLAND, S.E.	78	39	*	*	*	*	248	+ 40	0	0	6	0	1.45	+ 0.48	78	- 17	34	- 8
Western																		
6. SCOTLAND, WEST	78	37	*	*	*	*	215	+ 40	0	0	3	- 3	0.24	- 0.98	121	+ 29	51	+12
7. ENGLAND, N.W.	79	40	*	*	*	*	228	+ 43	0	0	3	- 3	0.55	- 0.36	104	+ 9	45	+ 4
8. ENGLAND, S.W.	76	34	*	*	*	*	214	+ 15	0	0	5	- 1	2.01	+ 0.97	86	- 11	38	- 5
9. IRELAND, NORTH	75	40	*	*	*	*	194	+ 21	0	0	6	- 1	1.17	+ 0.01	86	+ 3	37	+ 1
10. IRELAND, SOUTH	74	41	*	*	*	*	213	+ 18	0	0	6	0	0.86	- 0.25	81	- 10	35	- 4
11. ENGLISH CHANNEL	78	49	*	*	*	*	219	+ 10	0	0	5	- 2	1.95	+ 1.10	89	- 23	40	-10
THE YEAR.—Aggregates, &c., for the Period of 24 Weeks, January 2nd to June 18th, 1910.																		
0. SCOTLAND, NORTH	78	2	*	*	*	*	631	+ 43	595	+ 38	115	+ 4	25.02	+ 3.00	649	+ 77	32	+ 4
Eastern																		
1. SCOTLAND, EAST	79	-10	*	*	*	*	689	+ 3	636	+ 16	95	+ 5	12.88	+ 0.67	720	+ 68	35	+ 3
2. ENGLAND, N.E.	80	6	*	*	*	*	838 §	+ 119	454	- 21	89	+ 7	9.70 §	+ 0.37	694	+ 6	34	0
3. ENGLAND, EAST	83	17	*	*	*	*	997	+ 113	393	- 128	89	+ 8	10.79 §	+ 1.41	791	+ 63	39	+ 3
4. MIDLAND COUNTIES	79	10	*	*	*	*	991	+ 78	474	- 59	94	+ 15	11.43	+ 0.78	700	+ 48	34	+ 2
5. ENGLAND, S.E.	78	13	*	*	*	*	1049	+ 74	294	- 87	96	+ 19	13.20	+ 2.62	781	+ 55	38	+ 3
Western																		
6. SCOTLAND, WEST	78	0	*	*	*	*	833	+ 66	432	+ 7	105	+ 10	19.71	+ 0.67	695	+ 30	34	+ 2
7. ENGLAND, N.W.	79	7	*	*	*	*	888	+ 79	338	- 48	107	+ 20	16.08	+ 2.88	732	+ 66	36	+ 3
8. ENGLAND, S.W.	77	8	*	*	*	*	986	+ 22	242	- 59	101	+ 15	17.89	+ 2.77	781	+ 48	38	+ 2
9. IRELAND, NORTH	75	7	*	*	*	*	847	+ 14	351	+ 6	117	+ 15	17.88	+ 2.76	625	- 19	31	- 1
10. IRELAND, SOUTH	78	18	*	*	*	*	1031	+ 17	258	- 1	117	+ 25	19.35	+ 2.72	676	- 37	33	- 2
11. ENGLISH CHANNEL	78	28	*	*	*	*	1162	+ 24	54	- 55	99	+ 5	16.36	+ 3.59	860	- 16	42	- 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

§ The corresponding value for Report No. 23 slightly altered owing to the receipt of further information.

|| Mist or fog.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning/hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.		Bright Sunshine.				
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.
						Of Highest each day.	Of Lowest each day.	For whole of each day.										
0. SCOTLAND, N.	a, Islands.																	Balta Sound.
	p Balta Sound .. S	60	12th	42	13th	56.0	44.9	50.1	—	57	0	0.76	—	50.4	—	39	—	Deerness.
	a Sumburgh Head ..	59	17th	—	—	55.3	—	—	—	—	1	1.30	+ 0.87	50.9	+14.5	40	+12	Stornoway.
	a Stornoway ..	69	17th, 18th	42	15th	62.7	48.3	55.0	+ 3.5	91	0	0.78	+ 0.25	52.3	+ 9.1	42	+ 7	Castletay.
	a Castlebay, Barra Isd.	64	17th	46	14th, 15th	58.1	50.0	54.8	— 0.6	83	0	0.68	—	52.7	—	49	—	Strathpeffer.
	a Wick ..	63	17th	38	15th	59.0	44.9	51.5	0.0	67	0	1.03	— 0.40	—	—	—	—	Fort Augustus.
1. SCOTLAND, E. ...	b, Main-land.																	Gordon Castle.
	p Strathpeffer ..	72	18th	43	13th	66.1	46.6	55.7	+ 2.4	96	0	0.03	— 0.40	51.4	+13.9	42	+11	Nairn.
	p Glencarron ..	73	17th	43	16th	65.1	47.0	55.4	+ 3.4	94	0	0.22	— 0.72	—	—	—	—	Aberdeen.
	p Fort Augustus ..	74	18th	43	16th, 18th	65.8	47.0	55.8	+ 2.7	97	0	0.01	— 0.45	42.2	+10.8	34	+ 9	Crathes S.
	p Fort William ..	75	17th	42	15th	67.9	47.7	57.1	+ 2.8	106	0	0.01	— 0.83	—	—	—	—	Balruidery.
	a Gordon Castle ..	76	18th	39	15th	66.7	44.5	54.8	+ 1.1	90	0	0.23	— 0.25	62.6	—	51	—	Edinburgh.
2. ENGLAND, N.E.	a, North.																	Gordon Castle.
	a Nairn ..	67	16th	42	16th	62.6	46.4	53.9	+ 0.3	83	0	0.23	— 0.15	45.8	—	37	—	Nairn.
	a Aberdeen ..	68	12th	46	18th	60.6	49.6	54.7	+ 2.0	89	0	0.14	— 0.28	52.4	+ 8.9	43	+ 7	Aberdeen.
	a Balmoral ..	74	18th	32	18th	66.1	40.3	52.3	+ 0.8	79	5	0.42	— 0.06	56.6	—	46	—	Crathes S.
	p Crieff ..	77	12th	43	15th, 18th	71.6	46.1	58.0	+ 2.8	112	0	0.03	— 0.61	58.8	—	49	—	Balruidery.
	a Leith ..	73	12th	40	15th	64.3	49.0	56.1	+ 1.4	92	0	0.04	— 0.36	—	—	—	—	Edinburgh.
3. ENGLAND, E.	b, South.																	West Linton.
	a West Linton ..	8	12th, 18th	34	15th	66.1	42.4	53.4	+ 1.2	80	0	0.01	—	59.2	—	49	—	West Linton.
	p Marchmont ..	77	12th	37	15th	68.4	43.3	55.6	+ 2.9	95	0	0.06	— 0.45	66.1	+23.2	55	+19	Marchmont.
	a Alnwick Castle ..	74	12th	38	17th	64.2	45.9	54.4	+ 0.9	87	0	0.25	— 0.19	60.2	—	51	—	Cockle Park.
	a Shields ..	68	12th	42	17th	61.9	46.9	53.9	+ 0.5	83	0	0.33	— 0.13	48.5	+15.2	47	+13	Newcastle.
	p Durham ..	74	12th	40	17th	66.5	45.7	55.4	+ 0.7	94	0	0.13	— 0.29	63.1	+23.3	54	+20	Durham.
4. MIDLAND COUNTIES.	a, North.																	Durham.
	p Rounton ..	67	18th	37	17th	66.5	44.1	54.5	+ 1.0	88	0	0.42	— 0.03	—	—	—	—	Scarborough.
	p Scarborough ..	72	12th	47	14th, 18th	62.4	49.6	55.6	+ 1.0	95	0	0.05	— 0.37	41.7	—	35	—	York.
	p York ..	76	12th	44	17th	68.4	47.3	57.1	+ 0.6	106	0	0.07	— 0.41	45.1	+ 4.3	39	+ 4	York.
	a Spurn Head ..	62	12th	49	14th, 18th	60.4	50.4	55.1	+ 0.4	92	0	0.00	— 0.34	—	—	—	—	Skegness.
	a Lincoln ..	76	18th	45	14th	68.9	49.2	58.4	+ 0.9	115	0	0.00	— 0.45	52.7	—	45	—	Raunceby.
5. ENGLAND, S.E. ...	b, South.																	Lowestoft.
	a Fulbeck ..	77	12th	42	14th	70.4	47.6	58.2	+ 1.5	113	0	0.00	— 0.44	60.7	—	52	—	Lowestoft.
	p Cromer ..	62	18th	46	16th	59.5	49.5	54.2	— 1.2	85	0	0.07	—	45.2	—	39	—	Cromer.
	p Hillington ..	76	18th	39	16th	66.5	47.8	56.0	0.0	102	0	0.02	— 0.49	52.9	+ 6.9	46	+ 6	Hillington.
	a Yarmouth ..	64	12th	46	16th	60.9	51.0	55.6	+ 0.1	95	0	0.10	— 0.30	46.5	—	40	—	Yarmouth.
	a Norwich ..																	Geldeston.
6. ENGLAND, S.W. ...	a, North.																	Cambridge.
	p Geldeston ..	67	18th	39	16th	63.4	49.1	55.8	— 0.1	97	0	0.02	— 0.41	48.7	— 0.3	42	0	Cambridge.
	p Cambridge ..	75	18th	42	16th	69.2	49.0	58.4	+ 0.8	115	0	0.03	— 0.44	54.4	+ 7.8	47	+ 7	Felixstowe.
	a Felixstowe ..	67	13th	43	16th	64.9	49.7	56.8	+ 0.3	104	0	0.19	—	53.1	—	51	—	Felixstowe.
	a Clacton-on-Sea ..	68	18th	46	16th	63.3	51.1	56.8	+ 0.5	104	0	0.41	—	56.9	—	50	—	Clacton.
	a Rothamsted ..	72	12th, 18th	44	14th, 15th	65.1	49.1	57.9	+ 1.5	111	0	0.02	— 0.46	58.0	+12.6	51	+11	Rothamsted.
7. ENGLAND, N.W. ...	b, South.																	Southend.
	a Shoeburyness ..	68	12th, 18th	46	16th	64.7	51.3	57.5	— 2.1	109	0	0.07	— 0.39	49.0	—	43	—	Southend.
	p Tottenham ..	73	18th	46	15th	69.6	51.4	59.5	+ 1.2	125	0	0.00	—	55.2	—	48	—	Tottenham.
	a Harrogate ..	75	12th	41	17th	67.8	46.0	56.1	+ 1.7	99	0	0.02	— 0.52	58.7	—	50	—	Harrogate.
	a Bawtry ..	78	12th	40	17th	69.9	47.0	57.7	+ 0.9	110	0	0.00	— 0.41	49.3	+10.9	43	+ 9	Workshop.
	p Buxton ..	73	12th	41	17th	65.7	45.5	54.9	+ 1.9	90	0	0.00	— 0.72	61.0	—	55	—	Buxton.
8. IRELAND, N.	a, East.																	Nottingham.
	p Nottingham ..	77	12th	41	15th	68.9	48.4	57.9	+ 1.4	111	0	0.03	— 0.41	55.6	—	43	—	Nottingham.
	p Birmingham, Edgbn	75	12th	45	14th, 17th	67.8	49.0	57.8	+ 1.4	111	0	0.08	— 0.43	39.6	—	34	—	Birmingham.
	a Raunds ..	75	18th	41	14th, 15th	69.5	48.2	55.1	+ 1.2	113	0	0.01	—	—	—	—	—	Oxford.
	a Oxford ..	75	12th, 18th	45	15th	69.1	50.7	59.3	+ 1.9	121	0	0.08	— 0.41	52.1	+ 6.8	46	+ 6	Oxford.
	a Chaddle ..	74	12th	43	14th, 17th	66.6	48.0	56.7	+ 1.7	103	0	0.00	— 0.58	50.7	—	43	—	Sheffield.
9. IRELAND, S.	b, West.																	Sheffield.
	p Shrewsbury ..	73	12th	42	17th	69.1	47.6	56.7	+ 0.7	109	0	0.00	—	—	—	—	—	Cirencester.
	a Hereford ..	76	12th	41	14th, 17th	69.7	47.5	57.8	+ 0.5	111	0	0.00	— 0.50	—	—	—	—	Cirencester.
	a Cirencester ..	74	18th	41	14th	68.2	48.0	57.4	+ 1.5	108	0	0.00	— 0.53	49.0	+ 2.8	43	+ 3	Bath.
	a Bath ..	73	12th, 18th	44	14th, 15th	68.0	49.7	58.2	+ 0.8	113	0	0.00	— 0.53	54.0	—	47	—	Bath.
	a Ramsgate ..																	Ramsgate.
10. IRELAND, S.	a, East.																	Kew.
	p Kew ..	77	18th	46	15th	69.3	52.0	60.1	+ 2.6	127	0	0.00	— 0.48	48.6	+ 3.0	43	+ 3	Kew.
	a Marlborough ..	74	18th	39	14th	67.5	47.8	57.0	+ 1.5	105	0	0.01	— 0.52	53.0	+10.4	47	+ 9	Marlborough.
	a Margate ..	67	18th	50	15th, 16th	63.0	52.6	57.4	+ 0.5	108	0	0.43	+ 0.03	30.8	—12.8	27	—11	Margate.
	a Walsley, Surrey	77	18th	42	15th	69.1	50.0	58.9	+ 0.6	118	0	0.02	—	52.0	—	46	—	Walsley.
	a Swaraton ..	74	18th	42	15th	67.7	47.7	57.0	+ 0.9	105	0	0.34	— 0.19	59.2	—	52	—	Worthing.
11. ENGLISH CHANNEL.	a, North.																	Tunbridge Wells.
	a Tunbridge Wells	74	18th	43</														

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.		Grass Min.		Mean Earth Temp.		STATION.		Grass Min.		Mean Earth Temp.		STATION.		Grass Min.		Mean Earth Temp.		
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.			No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.			No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.	
0.	Balta Sound ..	—	—	53·4	—	4.	Harrogate ..	0	35	56·8	53·7	6.	Dumfries ..	0	38	60·6	55·7	
	— ..	—	—	—	—		Huddersfield ..	0	37	59·1	51·0		Douglas ..	0	44	—	—	
	— ..	—	—	—	—		Buxton ..	0	36	59·0	50·3		Aspatia ..	0	33	59·7	51·8	
1.	Aberdeen ..	—	—	—	50·9	4.	Sheffield ..	0	34	57·9	51·2	7.	Newton Rigg ..	0	35	60·4	53·5	
	Crathes ..	0	32	57·2	51·7		Nottingham ..	0	39	60·6	54·9		Burnley ..	0	36	57·8	50·7	
	Balmoral ..	1	28	—	—		Birmingham ..	0	35	54·4	49·8		Southport ..	0	41	61·9	57·7	
1.	West Linton ..	1	30	—	—	4.	Oxford ..	0	—	—	—	7.	Manchester City ..	0	42	59·7	54·2	
	Marchmont ..	0	31	58·1	—		Hereford ..	1	28	—	—		Bettws-y-Coed ..	0	40	58·1	52·6	
	— ..	—	—	—	—		Cloucester ..	0	36	59·3	54·2		— ..	—	—	—	—	
2.	Cockle Park ..	0	34	59·6	54·0	4.	Bath ..	—	—	61·4	57·0	8.	Llangamarch Wells ..	1	26	56·5	51·7	
	Durham ..	0	34	—	—		— ..	—	—	—	—		Cardiff ..	0	38	60·6	54·8	
	York ..	—	—	59·5	53·3		5.	Margate ..	0	46	59·7		55·8	Clifton ..	0	40	—	—
2.	Hull ..	0	40	59·6	51·6	5.	Greenwich ..	0	33	—	—	8.	Plymouth ..	0	39	—	—	
	Lincoln ..	—	—	59·6	53·6		Westminster ..	0	41	—	—		9.	Armagh ..	0	31	59·2	54·0
	Rauceby ..	0	37	62·8	54·4		Kew ..	0	36	61·2	55·1			Markree ..	0	37	60·3	53·3
3.	Norwich ..	—	—	—	—	5.	Canterbury ..	0	40	60·1	57·0	10.		Dublin, Trin. Coll. ..	0	42	59·8	54·4
	Yarmouth ..	—	—	63·0	58·0		Tunbridge Wells ..	0	37	62·1	—		11.	Guernsey, Brooklyn ..	0	42	60·7	56·5
	Lowestoft ..	0	42	61·0	56·4		Wisley ..	0	37	61·0	56·6			— ..	—	—	—	—
3.	Cambridge ..	0	34	60·6	56·2	5.	Worthing ..	0	43	63·1	56·6	11.		— ..	—	—	—	—
	Clacton-on-Sea ..	0	41	60·9	57·3		Portsmouth ..	0	42	61·8	57·7		— ..	—	—	—	—	
	Southend ..	0	43	61·3	—		6.	Glasgow ..	0	34	—		—	— ..	—	—	—	—
Tottenham ..	0	41	—	56·6	Rothesay ..	—		—	—	51·7	— ..	—	—	—	—			
— ..	—	—	—	—	Colmonell ..	0		38	—	—	— ..	—	—	—	—			

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	50	50	50.0	SCOTLAND, W.	Lamlash	55	53	53.9
	Kirkwall	54	51	52.1		Ballantrae	52	50	51.2
	Wick	50	50	50.0	ENGLAND, N.W.	Port Erin	53	50	51.2
SCOTLAND, E.	Cromarty	56	52	54.0		Newquay	59	57	57.9
	Pennan Bay	55	52	53.7		Scilly	58	53	54.8
ENGLAND, N.E.	Aberdeen, Cove Bay	52	52	52.0	ENGLAND, S.W.	Plymouth†	57	56	56.8
	Burnmouth, Berwick	51	49	49.6		Salcombe	58	53	55.9
	Scarborough	52	50	50.9	IRELAND, N.W.	Sheephaven	58	56	57.4
ENGLAND, E.	Shipwash Lightship	57	56	56.1		Teelin	62	57	58.8
	Margate†	62	61	61.4	IRELAND, S.W.	Cleggan	58	53	55.5
ENGLAND, S.E.	Eastbourne†	60	58	59.3		Seafield	59	53	56.7
					IRELAND, E.				

† Only one observation each day.

CORRECTIONS AND ADDITIONS FOR MAY, 1910.

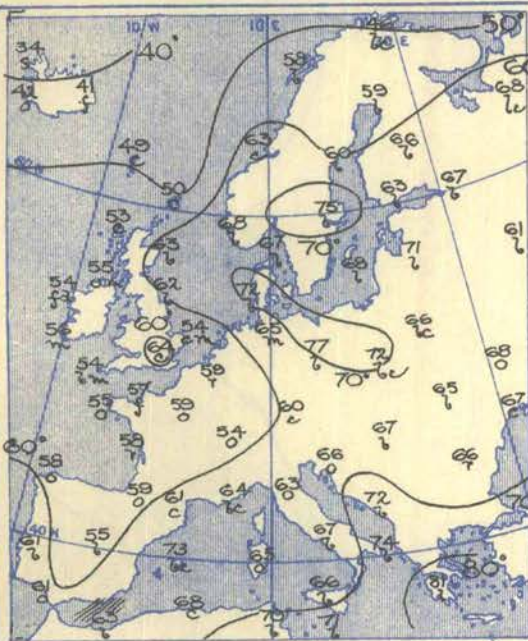
NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.					
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees).		Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
						Of Highest each day.	Of Lowest each Day.	For whole of each day.		Above 42°	Below 42°							
										Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%.	%.
District Values.— No. 21, p. 170	3. England, E.	—	—	44	—	63·6	48·9	55·8	+3·1	97	—	—	0·11	—0·33	—	—	—	—
Station Values.— Additions.																		
No. 18, p. 147	West Linton	—	—	—	—	—	—	—	—	—	—	—	—	—	39·1	—	43	—
No. 18, p. 147	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	54·0	+ 7·7	52	+ 7
No. 19, p. 155	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	—	—	69·4	—	66	—
No. 19, p. 155	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	49·0	+ 1·0	46	+ 1
No. 20, p. 163	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	48·6	— 1·4	45	— 1
No. 21, p. 171	Cromer	63	23, 28th	44	26th	58·5	47·7	52·8	+1·7	76	0	2	0·02	—	46·9	—	42	—
No. 21, p. 171	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	55·3	+13·7	59	+12
Station Values.— Corrections.																		
No. 17, p. 139	Nairn	—	—	—	—	—	—	—	—	—	—	—	—	—	31·9	—	31	—
No. 18, p. 147	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·33	—0·02	—	—	—	—
No. 18, p. 147	Spurn Head	—	—	—	—	51·1	—	45·4	—2·0	31	—	—	—	—	—	—	—	—
No. 18, p. 147	Cheadle	—	—	—	—	52·0	—	44·7	—2·3	34	—	—	—	—	—	—	—	—
No. 18, p. 147	Cullompton	—	—	—	—	—	42·2	48·8	—0·5	48	—	—	—	—	—	—	—	—
No. 18, p. 147	Plymouth	—	—	—	—	—	—	—	—	—	—	5	0·56	+0·06	—	—	—	—
No. 19, p. 155	Scarborough	—	—	—	—	—	—	—	—	—	—	—	0·12	+0·12	—	—	—	—
No. 19, p. 155	York	—	—	—	—	—	—	—	—	—	—	—	0·37	—0·06	—	—	—	—
No. 19, p. 155	Hillington	—	—	—	—	56·9	—	47·0	—2·5	51	—	—	—	—	—	—	—	—
No. 19, p. 155	Cheadle	—	—	—	—	—	38·6	45·3	—2·9	46	15	—	—	—	—	—	—	—
No. 20, p. 163	York	—	—	46	15th	—	48·9	56·1	+5·3	99	—	—	—	—	—	—	—	—
No. 20, p. 163	Nottingham	—	—	—	—	—	—	—	—	—	—	—	1·10	+0·69	—	—	—	—
No. 20, p. 163	Cheadle	—	—	42	19th	—	46·7	54·9	+5·5	90	—	—	—	—	—	—	—	—
No. 20, p. 163	Dungeness	—	—	48	16, 17th	—	50·4	55·1	+3·8	92	—	—	—	—	—	—	—	—
No. 20, p. 163	Portland Bill	—	—	47	16th	—	49·9	53·6	+2·1	81	—	—	—	—	—	—	—	—
No. 21, p. 171	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	68·0	—	62	—
No. 21, p. 171	Colmonell	—	—	—	—	—	—	—	—	—	—	—	0·16	—0·41	—	—	—	—
No. 21, p. 171	Manchester, Prestwich	—	—	—	—	65·4	—	55·8	+4·3	97	—	—	—	—	—	—	—	—
No. 21, p. 171	Cahir	—	—	—	—	68·2	—	58·3	+5·5	114	—	—	—	—	—	—	—	—
No. 22, p. 179	Lincoln	—	2, 3, 4	—	30th	64·9	48·1	55·9	+1·4	97	—	5	0·48	+0·05	—	—	—	—
												Grass Min.					Mean Earth Temp.	
												No. of Days.	Lowest reading				At 1 foot.	At 4 feet.
Station Values.— Additions.																		
No. 19, p. 156	Lowestoft	—	—	—	—	—	—	—	—	—	—	0	32	—	—	—	50·2	48·1
No. 21, p. 172	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58·7	52·9
No. 22, p. 180	Bath	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58·5	54·7

Sunday, 12th June, 1910.

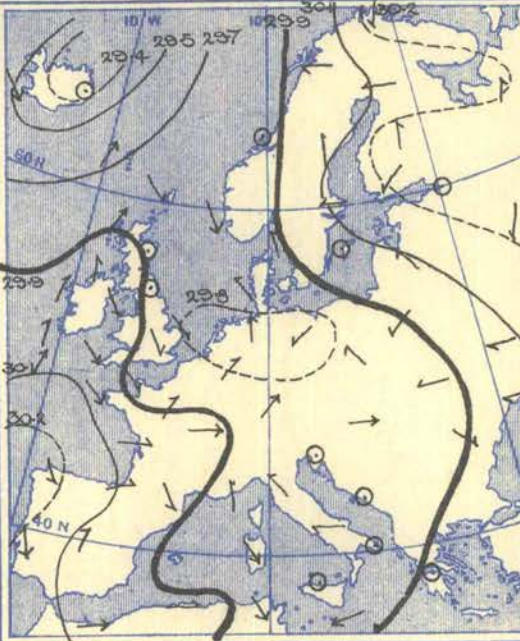
Temperature and Weather.

7 a.m.

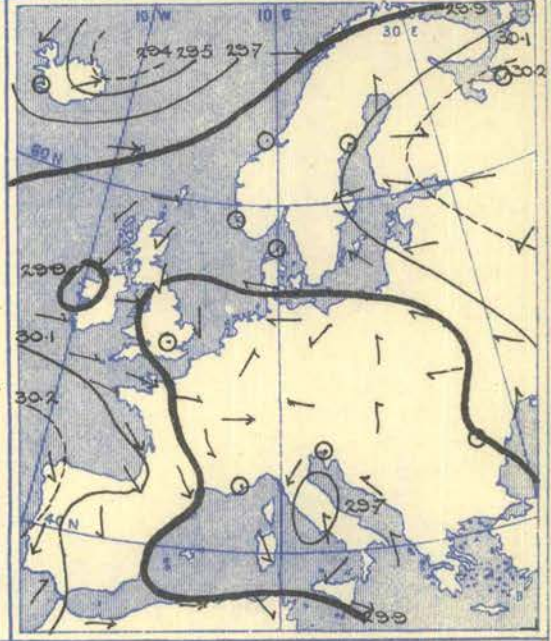


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in some parts of the Netherlands and France, as well as at Bilbao and Blacksed Point, and very cloudy or overcast in some other localities, but fair to fine and bright generally. Thunderstorm later at Oxford, and rain in several parts of these Islands—as much as 1·3 in. at Blacksed Point. Heavy rain at some places in Italy, France, and central Europe, and considerable falls in the south of Russia.

Temperature showing no decided change. Morning readings ranging from 81° at Patras, 77° at Berlin, and 75° at Stockholm, to below 60° over the greater portion of these Islands and the north of France, and to below 50° in the extreme north of Norway. Rising during day above 70° in several parts of Great Britain, and to 77° at Nottingham. Maxima 79° in the south of Sweden, 82° at St. Petersburg, 88° at Berlin and Hamburg, and about 80° over a large area in the central and southern countries, but only 61° at Biarritz, and 64° at Oporto.

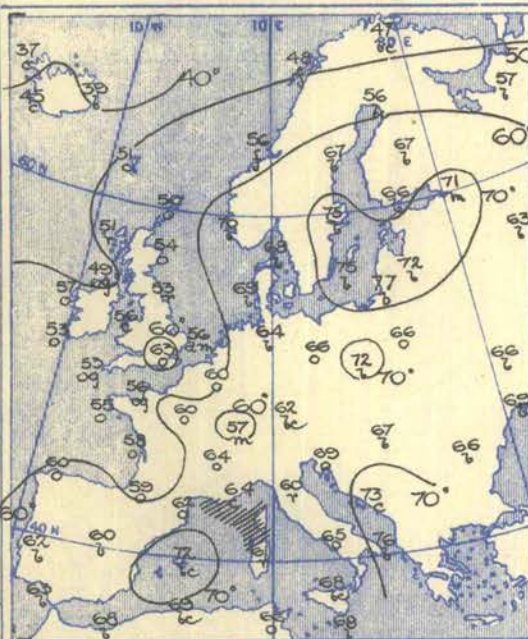
Wind in morning anticyclonic over the south-west and north-east of our area, and mainly cyclonic over the intervening regions, as well as in Iceland. Scarcely any station having a force greater than a moderate breeze, but a strong breeze from North-East prevailing at Isafjord. Increasing to a high wind from West by evening at Thorshavn, and a feeble cyclonic circulation setting in over Ireland.

Barometer in morning above 30·2 ins. both in the north of Russia and in the north-west of Spain; below 29·4 ins. in Iceland, and relatively low in a large area of irregular shape extending from Shetland across central Europe to the north coast of Africa. Little change of a general character occurring later in day, but a small, shallow depression appearing over Ireland, and a separate minimum forming over Italy.

Monday, 13th June, 1910.

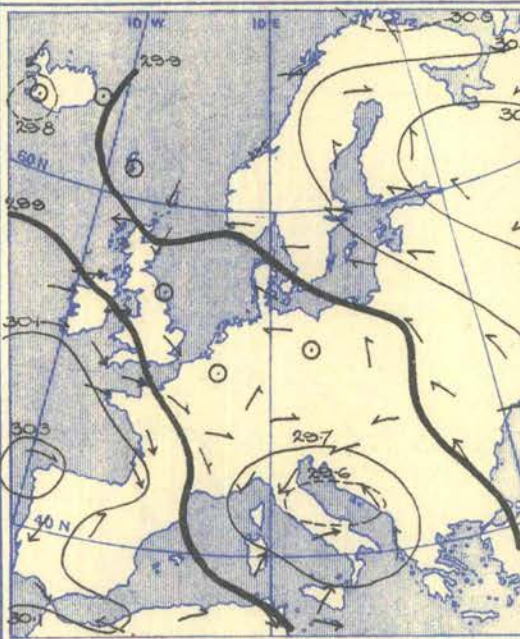
Temperature and Weather.

7 a.m.

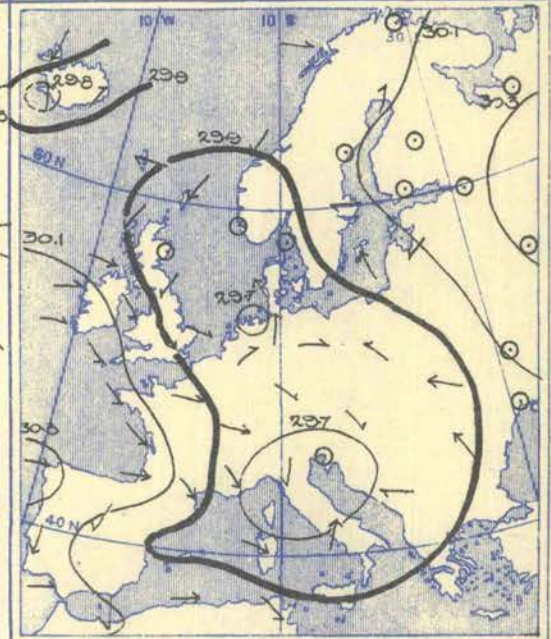


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy at some places along the east and north-east coasts of these Islands, as well as at Swinemünde, Toulouse, Cagliari, and in the north of Italy, and cloudy or overcast in some other regions. Generally fair to fine: sky nearly cloudless over Russia and Scandinavia. As much as 1·8 in. of rain later at Sumburgh Head, and smaller quantities at many stations in the north and east of these Islands. More than 1·6 in. of rain falling at Vienna, and considerable amounts in some other parts of central Europe, and also in Italy and France.

Temperature changed rather irregularly; fallen in most regions. Morning readings ranging from 77° at Memel, 75° at Stockholm, 71° at St. Petersburg, and about 70° at a few stations in the south of our area, to below 55° in the north and west of these Islands, and to below 50° in the extreme north of Norway. Thermometer rising to about 70° later in a few parts of this country, to 79° at Stockholm, 82° at St. Petersburg, to between 75° and 80° over a very large area on the Continent, and to 89° at Brindisi.

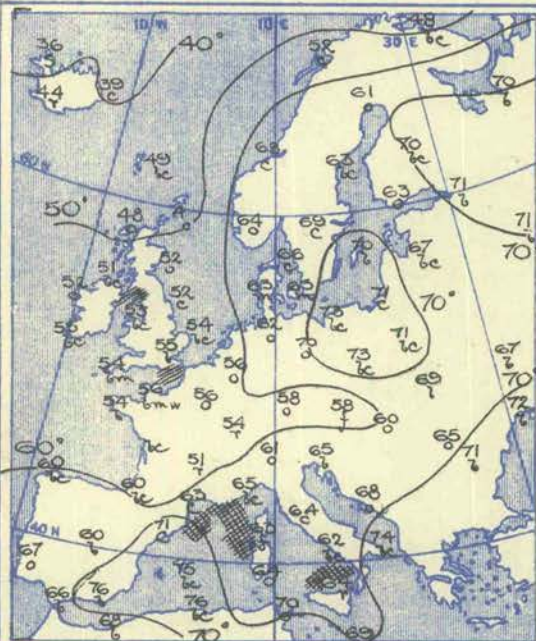
Wind in morning mainly cyclonic over the central countries and Italy, the circulation around the latter country being well marked and fresh or strong in places. Light breezes from some Easterly point prevailing in the east and north of the Continent, and a light North-Westerly breeze in England and France. Increasing somewhat in force from the North-West later over most parts of this country, and also at some stations on the shores of the Mediterranean.

Barometer in morning above 30·3 ins. both in the far north-east and south-west of our area; below 29·8 ins. in a depression over the west of Iceland, and below 29·6 ins. in a system having its minimum over Italy and the Adriatic. Relatively low over Germany and the southern part of the North Sea. No great change taking place during day in the general distribution; south-western high pressure system continuing to extend towards this country.

Tuesday, 14th June, 1910.

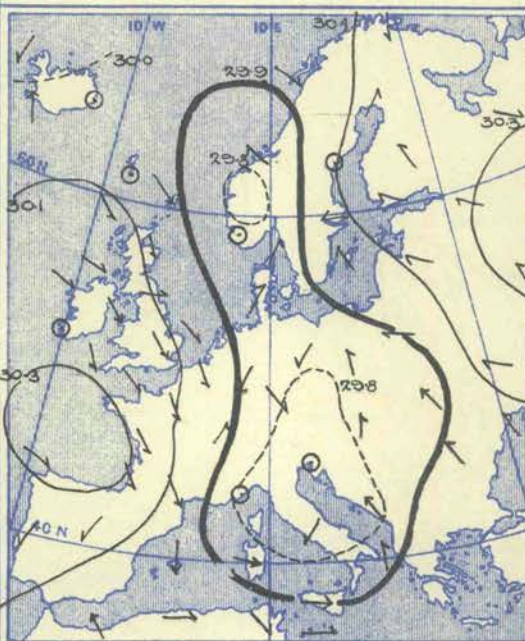
Temperature and Weather.

7 a.m.

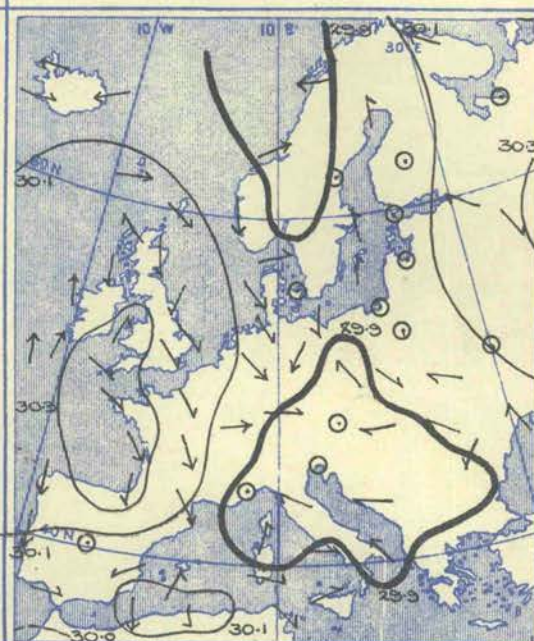


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or entirely overcast in some localities, and rainy at Palermo, Prague, and in the east of France, but generally fair to very fine. Exceedingly heavy rain falling later over nearly the whole of Switzerland; between 3 and 5 inches in many places—more than 7 ins. on the Säntis, and as much as 7·8 ins. on the Rigi Kulm.

Temperature fallen in most western and southern regions. Morning readings ranging from between 70° and 73° in Germany, Finland, and the north of Russia, and 76° at Algiers and Malaga, to below 60° over the United Kingdom and nearly the whole of France, and to 48° at Vardö. Maxima during day below 70° in these Islands, and below 65° at most of our stations. Thermometer rising to between 75° and 80° over a large area in northern and north-eastern Europe and also over the Mediterranean region.

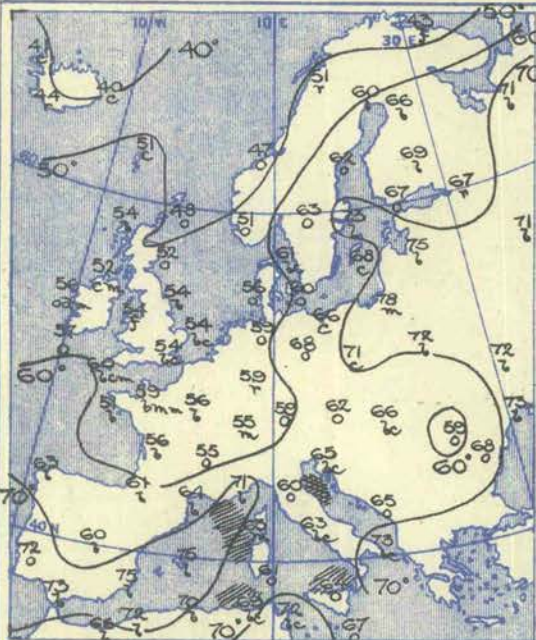
Wind in morning anticyclonic both in the south-west and north-east of Europe, and of little force; cyclonic elsewhere, the chief circulation being around Italy and its neighbourhood. A very strong breeze from between North-West and West prevailing in the south of France and on some of the Mediterranean islands. No important change later in day, but increasing in force from the North-Westward over the North Sea.

Barometer ranging from above 30·3 ins. in the north of Russia and over the Bay of Biscay, to about 29·8 ins. in the west of Norway, and to rather below it in a large depression over the south of our area. Bay high pressure system moving northward and north-eastward during day, and pressure increasing over the whole of north-western Europe. Depression in southern Europe decreasing slightly in intensity and becoming smaller.

Wednesday, 15th June, 1910.

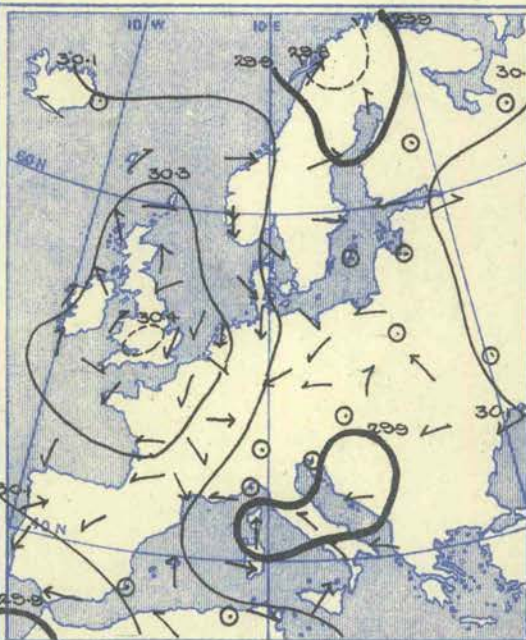
Temperature and Weather.

7 a.m.

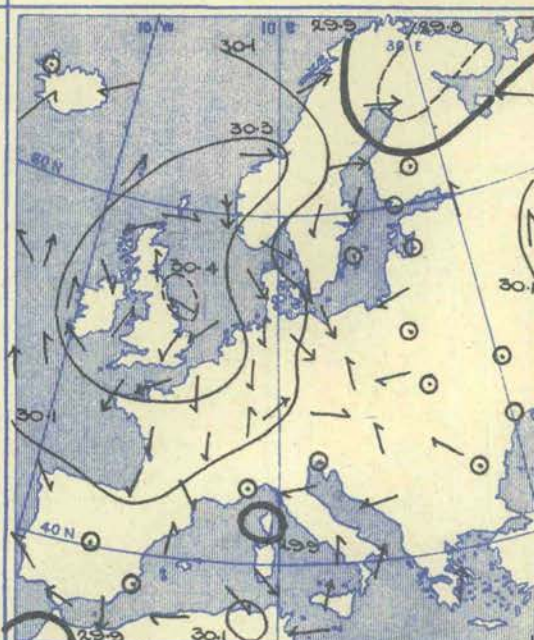


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over the major portion of our area, but overcast in some localities, and rain falling in Western Germany, over the Gulf of Finland, and also at Bodö and Pesaro, and slight drizzle at Blacksod Point. Very heavy rains experienced later in several parts of central Europe and Italy, and smaller quantities in some places in Scandinavia and Finland. Rain falling at Donaghadee, and thunder occurring at Darwen, but weather remaining very dry over these Islands generally.

Temperature showing no decided change. Morning readings ranging from 78° at Neu-Fahrwasser, and about 70° over a very large area in the east and north-east of the Continent, and above 70° at some stations in the Spanish Peninsula and at Palma, to below 55° over the greater part of the United Kingdom, to below 50° at Sumburgh Head and Christiansund, and to 43° at Vardö. Rising to about 70° in some parts of England and Ireland later, and to about 80° over a wide area in central and southern Europe, and touching 88° at Memel and St. Petersburg. Highest reading, 90° at Madrid.

Wind in morning anticyclonic over these Islands and their vicinity; very light generally, but fresh or strong at most places beyond the North Sea, and blowing a gale at Skudesnaes. Calms reported from nearly all stations in Russia and Finland, and light to fresh or strong breezes from various quarters over the Mediterranean. Little change later; decreasing somewhat in force over the Mediterranean region, but gale continuing at Skudesnaes.

Barometer in morning above 30·3 ins. in an anticyclonic system covering the United Kingdom and a considerable portion of France, and nearly as high in central Russia; below 29·9 ins. in a depression over Italy, and below 29·8 ins. in another over the extreme north-west of Norway. Very little change occurring later in day within the main high pressure region, but barometer falling over central Russia. A depression moving eastward in the extreme north of our area, and a small disturbance over Morocco extending northward to the Peninsula.

Thursday, 16th June, 1910.

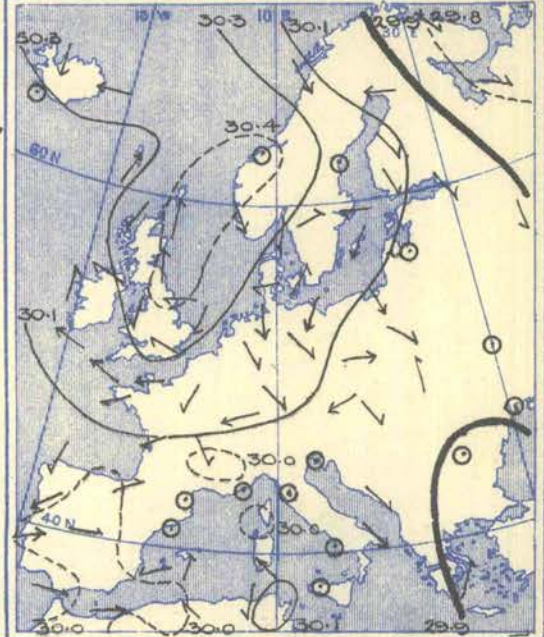
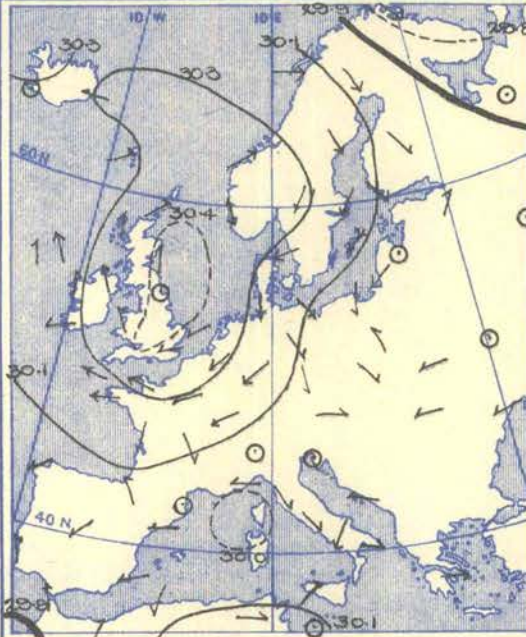
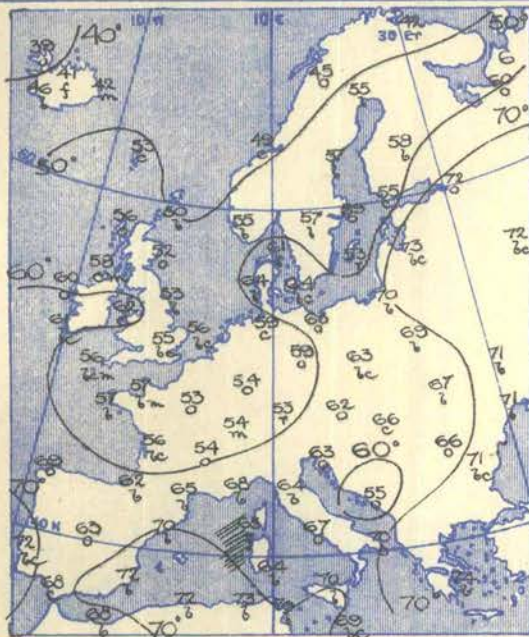
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright over the greater part of our area, but overcast in many localities in central Europe and over the Baltic, with rain in places; dull, with some rain, in the extreme north of the Continent, and a thunderstorm in progress at Oporto. More than an inch of rain later at Bucharest and Buda-Pesth, 0.6 in. at Lugano, and about 0.5 in. at Memel. Continuing rainless in these Islands.

Temperature fallen quickly over Finland, Sweden, and Germany. Morning readings ranging from about 70° at several stations in Russia and East Prussia and also on the shores of the Mediterranean, to below 60° over nearly the whole of France, the Low Countries, and the United Kingdom, and to below 50° in the west and north of Norway. Rising to about 70° later in some parts of Ireland and the north-west of Britain, to above 70° over the greater part of the Continent, and to about 80° over a very large area. Thermometer touching 95° at Madrid.

Wind in morning showing a very extensive anticyclonic circulation around these Islands; strong Northerly winds general in Sweden, and a gale from North-East prevailing at Wisby. Light airs from various quarters prevalent in the south of our area, and light airs or calms in Russia. No change of importance during day; continuing fresh or strong in many parts of northern Europe and on the Baltic.

Barometer in morning above 30.4 ins. over a considerable portion of Great Britain and the North Sea, and above 30.3 ins. over a very large area; below 29.8 ins. in the extreme north of the Continent, and relatively low in a band extending from the White Sea to Turkey and Greece. A very shallow depression over Corsica and Sardinia. Not much change taking place during day in the general distribution of pressure, and anticyclonic system maintaining its position with little loss in intensity. A depression moving eastward in the far north of our area.

Friday, 17th June, 1910.

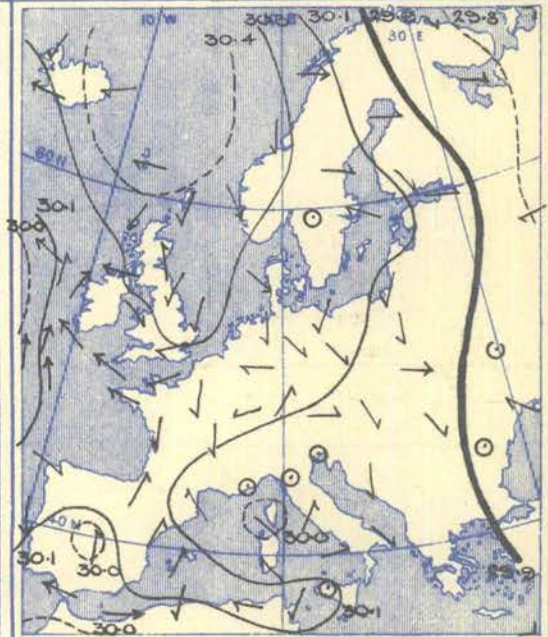
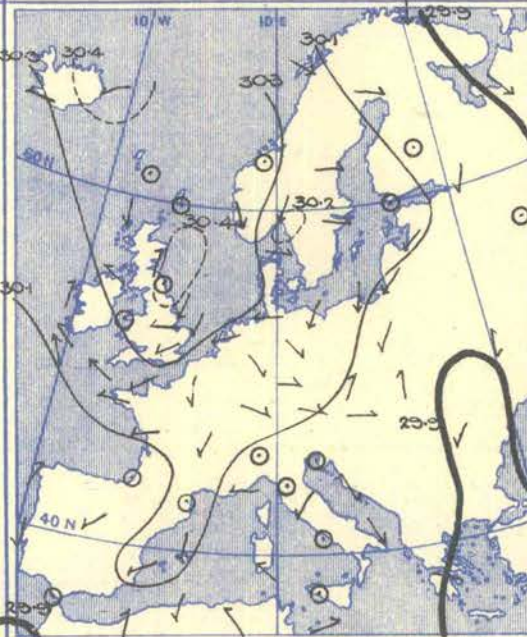
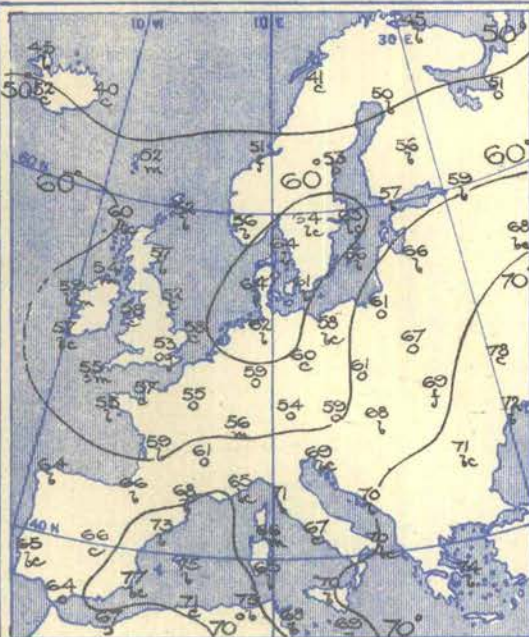
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright over the greater portion of our area, but overcast in several parts of these Islands and in the central countries. Very fine throughout in the United Kingdom, France, Italy, the Peninsula, and the greater part of the central and northern regions of the Continent, but some rain falling at Moscow, Vienna, and in South Germany, as well as in Norway.

Temperature changed rather irregularly; fallen over England and Ireland. Morning readings ranging from above 70° at many stations in the far south of our area and in the south of Russia, to below 55° over a large area in England, and to below 45° at Bodø. Rising to about 70° later in various parts of the United Kingdom and the northern countries of the Continent, and to 80° or above at many places in the southern regions. Maxima between 95° and 100° over the interior of Algeria.

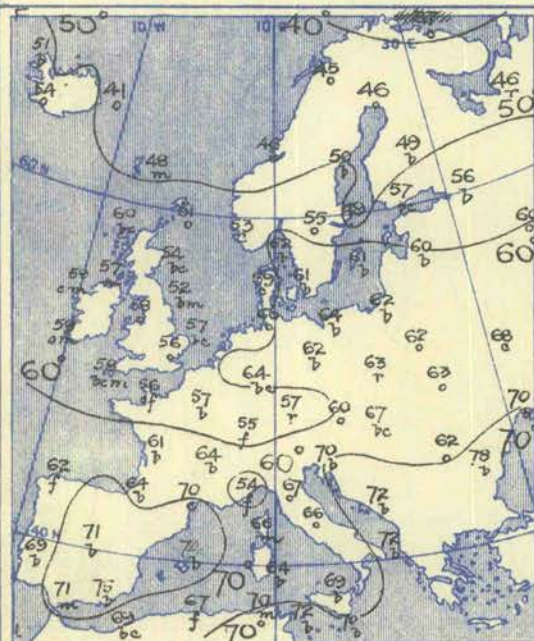
Wind in morning light anticyclonic over the major portion of our area, but blowing a strong breeze from the Northward, over the south of Scandinavia. Light breezes from various quarters prevailing over the Mediterranean region. No general change later in day, but wind increasing to a fresh breeze at some stations on the shores of the Mediterranean.

Barometer in morning above 30.4 ins. over the upper part of the North Sea and also over the east of Iceland, and above 30.3 ins. over a very large area in the north-west. Below 29.9 ins. in the east and south-east of Europe, and lower out on the Atlantic. No important modification taking place during day in the general distribution of pressure; anticyclonic centre lying off the north of Scotland by evening.

Saturday, 18th June, 1910.

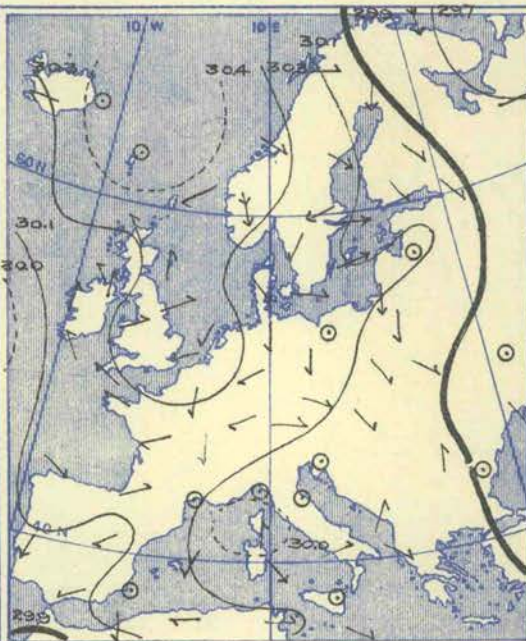
Temperature and Weather.

7 a.m.

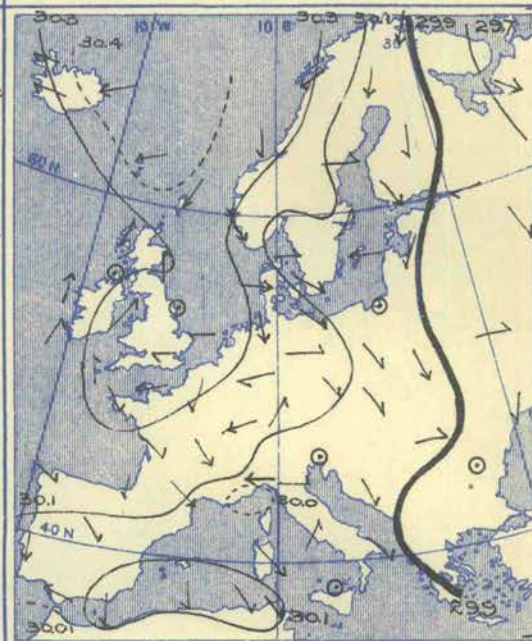


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over the greater portion of our area, but rainy at Munich, Cracow, and Archangel, and misty or foggy on the English Channel, as well as at Corunna and on the south coast of France. A little rain in Ireland later, and some larger amounts in various parts of Scandinavia, Russia, central Europe, and Italy; about 1·8 in. at Florence.

Temperature risen in most parts of these Islands, fallen in Sweden and Denmark. Morning readings ranging from 70° at Sfax, 78° at Bucharest, and above 70° at some other southern stations to below 55° in the northern half of Great Britain, and to below 40° in the extreme north of Norway. Maxima during day a little above 70° in various parts of this country and central Europe, and between 70° and 80° over a large area in the south. Thermometer rising to about 90° at some places in the far south, touching 101° at Madrid.

Wind in morning mainly from some Northerly point over the more northern and eastern countries, and from some point between East and South over the Bay of Biscay and the west and north of these Islands. Very light generally, but strong in some Scandinavian localities, and blowing a gale at Skudesnaes and Vardö. Little change later.

Barometer in morning 30·3 ins. to above 30·4 ins. in a very large high pressure system having its maximum between Norway and Iceland; below 29·7 ins. over the White Sea, and below 30·0 ins. in a shallow depression off the south of France. Scarcely any alteration occurring later in the general distribution of pressure, and but little in the actual height of the readings.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. June 13th, 9.51 a.m. to 11.37 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	287° 80% 315°, 7	286° 80% 315°, 9	283·5° 80% 315°, 10	281° 80% 315°, 10				280° 80% 315°, 10	Very remarkable convection current. Kite over head and at times to windward for 5 minutes. Humidity and wind direction very variable.
2	June 16th,	Brighton, 115 m.	Temperature Humidity Wind ..	287° 70% 60°, 10	285° 70% 60°, 10	282° 85% —, 11					279° 90% 70°, 12	Convection currents. Stratus and cirrus. Nearly overcast.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2
No. of Kites ..	2	1
Area of Surface (sq. metres) ..	15	7
Length of Wire (metres) ..	1,500	1,050

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 201

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 25.
Vol. XXVII. (New Series.)

TWENTY-FIFTH WEEK, SUNDAY, JUNE 19TH, TO SATURDAY, JUNE 25TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was fine at the commencement of the period, but an unsettled condition soon set in in the west, and in the course of a day or two extended to all parts of the Kingdom. Thunderstorms occurred in some western and north-western localities on Monday, and subsequently they were experienced every day in many parts of the Kingdom, accompanied by heavy local rains.

Temperature was above the average, the excess varying from less than a degree in Scotland E. and about 1° in the south-western districts to 3° in the Midland and eastern English districts. The highest of the maxima were recorded generally either on the 19th or 20th, when the thermometer rose to 81° or above in many parts of England, the highest readings being 83° in England E. and the Midland Counties. In Ireland the highest value was 75°, in Scotland E. 71°, and in Scotland N. 69°. Late in the week the maxima were low for the time of year. The lowest of the minima were mostly registered between the 23rd and 25th. In Scotland E. and W. the reading was 40°, and in England N.W. 41°; elsewhere the values ranged from 43° in various districts to 47° in England E. and to 48° in the English Channel. The lowest grass minima reported were 34° at Llangammarch Wells, 35° at Hereford, 36° at Sheffield and West Linton, and about 40° in several other localities.

Mean Temperature of the Sea. Except at Wick, where it was much colder, the water was generally warmer than during the corresponding week of last year, the excess being nearly 5° at Margate and Teelin. The actual means ranged from 63° at Margate, 61° at Eastbourne and Teelin, 59° at Newquay and Seaford to about 51° at several stations on the north-east coast.

Rainfall was less than the normal in Scotland N. and E. and also in the English Channel, but greater elsewhere. In Ireland and the central and eastern parts of England the excess was large. Many parts of the Kingdom experienced a fall of an inch or more within 24 hours. On Monday 1·5 inch fell at Armagh, and about 1·3 inch at Cahir and Rothesay; on Thursday there was 1 inch at Bradford, 1·1 inch at Great Yarmouth, 1·3 inch at Cahir and 1·5 inch at Hull and Huddersfield; and on Saturday 1·1 inch at Killarney.

Bright Sunshine was rather in excess of the average in nearly all parts of England, but deficient in England N.E. and also in Ireland and Scotland. The percentage of the possible duration ranged from 51 in England S.E. and the English Channel, and 44 in England E. and N.W. to 25 in Ireland, 23 in Scotland N. and 19 in Scotland E.

Barometer and Wind.—At the commencement of the week the pressure distribution was mainly anticyclonic, but the high pressure system very soon began to move away northwards and north-eastwards, while a large depression of little depth and varying outline spread gradually over these islands from the Atlantic and remained the dominating factor throughout the period. At the end of the period its central portion extended from Ireland to Holland. The wind varied much in direction in consequence of local variations of pressure, but in the main it was from West or South-West in the south, and East or South-East in the north. Generally, it was very light to moderate, but increased to a fresh breeze at times in exposed places, and on Saturday it blew a fresh to strong breeze over a considerable area.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 204.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.						WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.		11. English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	
	Rainfall ...	Moderate	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Heavy	Very heavy	Moderate	
	Sunshine ...	Moderate	Scanty	Moderate	Moderate	Moderate	Abundant	Moderate	Abundant	Moderate	Scanty	Scanty	Moderate	

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 3 weeks from June 5th, 1910.	Warmth ...	3 * 0	1 * 0	2 * 0	2 * 0	3 * 0	2 * 0	2 * 0	2 * 0	1 * 0	3 * 0	0 * 0	1 * 0
	Rainfall ...	0 * 1	0 * 2	1 * 2	1 * 1	2 * 1	2 * 1	1 * 2	0 * 1	2 * 1	1 * 0	2 * 1	1 * 1
	Sunshine ...	2 * 0	2 * 1	1 * 0	0 * 1	1 * 1	1 * 1	2 * 0	2 * 0	1 * 1	0 * 1	0 * 2	1 * 1

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

TWENTY-FIFTH WEEK—June 19th to June 25th, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
0. SCOTLAND, NORTH		69	44	62.5	50.4	56.0	+ 2.6	Day-deg. 98	Day-deg. + 18	Day-deg. 0	Day-deg. 0	4	0	Inches. 0.57	Inches. - 0.12	29	- 6	% 23	% - 5
Eastern																			
1. SCOTLAND, EAST		71	40	62.8	49.1	55.5	+ 0.7	95	+ 5	0	0	5	+ 2	0.44	- 0.10	23	- 19	19	- 16
2. ENGLAND, N.E.		81	43	67.4	51.7	59.0	+ 3.0	119	+ 21	0	0	4	0	0.59	+ 0.17	39	- 4	33	- 4
3. ENGLAND, EAST		83	47	69.8	53.2	60.9	+ 3.1	132	+ 22	0	0	4	+ 1	0.91	+ 0.48	52	+ 4	44	+ 4
4. MIDLAND COUNTIES		83	45	70.7	52.0	60.7	+ 3.1	131	+ 22	0	0	4	+ 1	0.82	+ 0.34	48	+ 5	41	+ 5
5. ENGLAND, S.E.		81	43	68.3	53.6	60.5	+ 2.0	130	+ 14	0	0	4	+ 2	0.63	+ 0.23	58	+ 9	51	+ 8
Western																			
6. SCOTLAND, WEST		77	40	66.9	50.5	58.1	+ 2.1	113	+ 15	0	0	3	- 1	1.01	+ 0.29	41	- 2	34	- 2
7. ENGLAND, N.W.		81	41	67.7	51.8	59.2	+ 2.2	120	+ 15	0	0	4	+ 1	0.70	+ 0.12	52	+ 7	44	+ 6
8. ENGLAND, S.W.		81	44	66.0	52.4	58.7	+ 1.1	117	+ 8	0	0	5	+ 1	0.79	+ 0.25	48	+ 1	42	+ 1
9. IRELAND, NORTH		75	43	64.5	51.9	57.8	+ 1.8	111	+ 14	0	0	5	+ 1	1.49	+ 0.74	30	- 9	25	- 8
10. IRELAND, SOUTH		75	46	65.0	52.8	58.5	+ 1.1	116	+ 8	0	0	6	+ 2	2.07	+ 1.44	29	- 13	25	- 11
11. ENGLISH CHANNEL		79	48	66.1	54.2	59.8	+ 1.3	125	+ 10	0	0	4	+ 1	0.25	- 0.16	58	+ 1	51	+ 1
THE SEASON (Summer).—Aggregates, &c., for the Period of 3 Weeks, June 5th to June 25th, 1910.																			
0. SCOTLAND, NORTH		78	34	*	*	*	*	276	+ 56	0	- 2	7	- 4	0.98	- 0.89	138	+ 26	37	+ 7
Eastern																			
1. SCOTLAND, EAST		79	32	*	*	*	*	272	+ 27	0	- 1	9	0	0.74	- 0.75	147	+ 21	40	+ 6
2. ENGLAND, N.E.		81	37	*	*	*	*	319	+ 54	0	0	6	- 3	0.80	- 0.47	134	+ 4	33	+ 1
3. ENGLAND, EAST		83	39	*	*	*	*	363	+ 60	0	0	7	- 2	1.39	- 0.10	144	+ 3	42	+ 1
4. MIDLAND COUNTIES		83	40	*	*	*	*	367	+ 64	0	0	9	+ 1	2.11	+ 0.69	124	- 4	36	- 1
5. ENGLAND, S.E.		81	39	*	*	*	*	378	+ 54	0	0	10	+ 2	2.08	+ 0.71	136	- 8	40	- 2
Western																			
6. SCOTLAND, WEST		78	37	*	*	*	*	328	+ 55	0	0	6	- 4	1.25	- 0.69	162	+ 26	45	+ 7
7. ENGLAND, N.W.		81	40	*	*	*	*	348	+ 58	0	0	7	- 2	1.25	- 0.24	156	+ 17	44	+ 5
8. ENGLAND, S.W.		81	34	*	*	*	*	331	+ 23	0	0	10	0	2.80	+ 1.22	134	- 11	39	- 3
9. IRELAND, NORTH		75	40	*	*	*	*	305	+ 35	0	0	11	0	2.57	+ 0.75	116	- 6	33	- 2
10. IRELAND, SOUTH		75	41	*	*	*	*	329	+ 26	0	0	12	+ 2	2.93	+ 1.19	110	- 23	32	- 7
11. ENGLISH CHANNEL		79	48	*	*	*	*	344	+ 20	0	0	9	- 1	2.20	+ 0.94	147	- 22	44	- 7
THE YEAR.—Aggregates, &c., for the Period of 25 Weeks, January 2nd to June 25th, 1910.																			
0. SCOTLAND, NORTH		78	2	*	*	*	*	729	+ 61	595	+ 38	119	+ 4	25.59	+ 2.83	678	+ 71	31	+ 3
Eastern																			
1. SCOTLAND, EAST		79	- 10	*	*	*	*	784	+ 8	636	+ 16	100	+ 7	13.32	+ 0.57	743	+ 49	34	+ 2
2. ENGLAND, N.E.		81	6	*	*	*	*	957	+ 140	454	- 21	33	+ 7	10.29	+ 0.54	733	+ 1	34	0
3. ENGLAND, EAST		83	17	*	*	*	*	1129	+ 135	393	- 128	93	+ 9	11.70	+ 1.89	843	+ 67	39	+ 3
4. MIDLAND COUNTIES		83	10	*	*	*	*	1122	+ 100	474	- 59	98	+ 16	12.25	+ 1.12	748	+ 63	35	+ 2
5. ENGLAND, S.E.		81	13	*	*	*	*	1179	+ 88	294	- 87	100	+ 21	13.83	+ 2.35	839	+ 64	39	+ 3
Western																			
6. SCOTLAND, WEST		78	0	*	*	*	*	946	+ 81	432	+ 7	108	+ 9	20.72	+ 0.96	736	+ 28	34	+ 1
7. ENGLAND, N.W.		81	7	*	*	*	*	1008	+ 94	338	- 48	111	+ 21	16.78	+ 3.00	784	+ 74	36	+ 3
8. ENGLAND, S.W.		81	8	*	*	*	*	1103	+ 30	242	- 59	106	+ 16	18.68	+ 3.02	829	+ 48	38	+ 2
9. IRELAND, NORTH		75	7	*	*	*	*	958	+ 28	351	+ 6	122	+ 16	19.28	+ 3.50	655	- 27	30	- 1
10. IRELAND, SOUTH		78	18	*	*	*	*	1147	+ 25	258	- 1	123	+ 27	21.42	+ 4.16	705	- 49	33	- 2
11. ENGLISH CHANNEL		79	28	*	*	*	*	1277	+ 34	54	- 55	103	+ 6	16.61	+ 3.43	918	- 15	43	- 1

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *St* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.	
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°.		Below 42°.
0. SCOTLAND, N.	a, Islands.																			
	p Balta Sound	59	23rd	43	19th	56.1	48.1	51.8	—	69	0	1	0.06	—	42.9	—	33	—	Balta Sound.	
	a Sumburgh Head	60	23rd	?	?	56.9	?	?	—	—	0	1	0.02	—	17.6	—	14	—	Deerness.	
	a Stornoway	64	21st	49	22nd	61.3	52.3	56.5	+ 4.1	102	0	4	0.98	—	47.3	+ 4.7	38	+ 4	Stornoway.	
	a Castlebay, Barra Isd.	66	24th	49	23rd	61.3	52.6	56.7	+ 1.5	103	0	3	0.80	—	46.9	—	38	—	Castlebay.	
	a Wick	64	24th	49	19th, 25th	57.9	50.6	54.0	+ 1.8	84	0	5	0.30	—	—	—	—	—	Wick.	
	p Strathpeffer	67	22nd	47	25th	63.3	49.0	55.9	+ 1.7	97	0	5	0.44	—	20.6	—	17	—	Strathpeffer.	
1. SCOTLAND, E.	p Glencarron	67	22nd	44	23rd	63.5	48.4	55.4	+ 2.4	94	0	5	1.01	—	20.6	—	17	—	Glencarron.	
	p Fort Augustus	65	21st	45	23rd	61.5	50.8	55.8	+ 1.5	97	0	4	0.61	—	29.8	—	24	—	Fort Augustus.	
	p Fort William	69	19, 20, 22, 23	46	23rd	66.7	51.0	58.3	+ 3.0	114	0	5	0.61	—	29.8	—	24	—	Fort William.	
	p Gordon Castle	68	21st, 24th	44	24th	63.2	48.7	55.5	+ 0.8	95	0	5	0.24	—	21.1	—	17	—	Gordon Castle.	
	a Nairn	65	20th, 21st	41	24th	61.9	48.9	55.0	+ 0.5	91	0	6	0.41	—	17.3	—	14	—	Nairn.	
	a Aberdeen	62	21st, 22nd	46	24th	59.6	50.7	54.8	+ 1.0	90	0	5	0.25	—	7.3	—	6	—	Aberdeen.	
	a Balmoral	63	20th, 24th	42	23rd, 24th	59.6	47.1	52.9	+ 0.6	76	0	5	0.48	—	15.3	—	12	—	Balmoral.	
2. ENGLAND, N.E.	p Criff	69	22nd	47	24th	64.1	49.0	56.0	+ 0.0	98	0	4	0.95	—	27.0	—	22	—	Criff.	
	a Leith	69	21st	50	24th	63.1	52.3	57.3	+ 1.4	107	0	4	0.40	—	—	—	—	—	Leith.	
	a West Linton	69	23rd	40	24th	65.0	47.2	55.5	+ 2.4	95	0	5	0.60	—	41.9	—	35	—	West Linton.	
	p Marchmont	71	20th	45	24th	65.6	48.9	56.7	+ 3.1	103	0	4	0.21	—	46.5	+ 3.3	38	+ 3	Marchmont.	
	a Alnwick Castle	70	19th	45	24th	64.3	50.5	56.9	+ 2.4	104	0	3	0.19	—	44.6	—	37	—	Alnwick Castle.	
	a Shields	69	21st	48	19th, 24th	63.6	50.1	56.4	+ 1.7	101	0	4	0.39	—	28.0	—	23	—	Shields.	
	p Durham	74	19th, 20th	43	24th	67.4	49.4	57.8	+ 2.1	111	0	5	1.09	—	33.8	—	28	—	Durham.	
3. ENGLAND, E.	p Rounton	72	19th, 21st	44	24th	67.9	49.9	58.3	+ 3.3	114	0	5	0.42	—	—	—	—	—	Rounton.	
	p Scarborough	69	19th	52	21st, 23rd	65.1	53.4	58.8	+ 3.1	118	0	3	0.73	—	39.2	—	33	—	Scarborough.	
	a York	79	19th	48	23rd	70.0	52.4	60.6	+ 3.0	130	0	3	0.93	—	37.0	—	31	—	York.	
	a Spurn Head	71	21st	53	19, 20, 23rd	64.7	53.9	58.9	+ 3.0	118	0	4	0.35	—	—	—	—	—	Spurn Head.	
	a Lincoln	80	19th	49	23rd	71.9	53.2	61.9	+ 3.4	139	0	5	0.77	—	41.9	—	36	—	Lincoln.	
	a Fulbeck	81	20th	50	24th	71.8	52.8	61.6	+ 3.6	137	0	3	0.41	—	44.8	—	38	—	Fulbeck.	
	p Cromer	78	21st	49	23rd	69.0	51.9	59.9	+ 3.6	125	0	5	0.40	—	50.3	—	43	—	Cromer.	
4. MIDLAND COUNTIES.	p Hillington	88	19th	47	23rd	71.7	51.2	60.7	+ 3.0	131	0	3	0.98	—	46.1	—	40	—	Hillington.	
	a Yarmouth	69	21st	52	19th	66.1	54.3	59.8	+ 3.0	125	0	3	1.54	—	56.3	—	49	—	Yarmouth.	
	a Norwich	79	19th	48	23rd	71.1	52.1	60.9	+ 3.9	132	0	4	0.97	—	—	—	—	—	Norwich.	
	p Geldeston	79	19th	49	19th, 23rd	70.5	52.0	60.6	+ 3.4	130	0	4	1.64	—	49.5	—	43	—	Geldeston.	
	p Cambridge	80	19th, 20th	51	19th	73.0	53.1	62.4	+ 3.5	143	0	4	0.82	—	55.0	—	47	—	Cambridge.	
	a Felstead	70	21st	54	19, 20, 23rd	67.0	55.7	61.0	+ 3.1	133	0	4	0.67	—	56.5	—	49	—	Felstead.	
	a Clacton-on-Sea	71	21st	54	23rd	67.4	56.3	61.5	+ 3.8	137	0	4	0.14	—	52.7	—	46	—	Clacton.	
5. ENGLAND, S.E.	a Rothamsted	79	20th	51	19th	66.8	52.6	59.2	+ 1.7	120	0	3	0.65	—	50.8	—	44	—	Rothamsted.	
	a Shoeburyness	74	21st	51	19th	69.4	55.6	61.9	+ 2.0	139	0	3	0.44	—	48.8	—	42	—	Shoeburyness.	
	p Tottenham	80	19th, 20th	54	19th, 25th	72.3	55.6	63.4	+ 5.1	150	0	4	1.02	—	51.3	—	45	—	Tottenham.	
	a Harrogate	76	19th	48	23rd, 24th	68.5	50.7	59.0	+ 3.3	119	0	4	1.34	—	42.1	—	36	—	Harrogate.	
	a Bawtry	82	21st	45	23rd	72.7	51.0	61.1	+ 3.2	134	0	3	0.80	—	33.7	—	29	—	Bawtry.	
	p Buxton	75	19th	47	23rd	67.0	49.6	57.7	+ 4.3	110	0	4	0.76	—	54.0	—	46	—	Buxton.	
	a Nottingham	80	20th	49	23rd	71.3	52.3	61.1	+ 3.3	134	0	5	0.66	—	44.1	—	38	—	Nottingham.	
6. a, SCOTLAND, W.	p Birmingham, Edgbn	79	19th, 20th	49	23rd	70.5	53.6	61.5	+ 4.5	137	0	4	0.46	—	56.4	—	49	—	Birmingham.	
	a Raunds	83	19th	49	23rd	74.4	52.0	62.4	+ 4.3	143	0	4	0.62	—	—	—	—	—	Raunds.	
	a Oxford	79	19th, 20th	52	23rd	70.6	55.0	62.3	+ 3.6	142	0	4	0.65	—	53.5	—	47	—	Oxford.	
	a Cheadle	77	20th	48	23rd	69.3	51.6	59.3	+ 3.9	125	0	4	0.78	—	40.1	—	34	—	Cheadle.	
	p Shrewsbury	80	19th	47	23rd	71.7	51.1	60.7	+ 3.0	131	0	4	0.69	—	—	—	—	—	Shrewsbury.	
	a Hereford	79	20th	45	22nd	69.9	51.4	60.0	+ 1.6	126	0	4	1.27	—	—	—	—	—	Hereford.	
	a Cirencester	78	20th	46	19th	69.5	50.4	59.3	+ 2.4	121	0	4	0.69	—	53.6	—	47	—	Cirencester.	
7. a, ENGLAND, N.W.	a Bath	78	20th	47	19th	69.0	52.9	60.4	+ 2.0	129	0	4	1.03	—	60.8	—	53	—	Bath.	
	p Kew	81	20th	53	19th	71.4	55.4	62.8	+ 4.1	146	0	4	1.38	—	47.9	—	42	—	Kew.	
	a Marlborough	77	19th, 20th	43	19th	68.7	49.6	58.5	+ 1.6	116	0	4	1.24	—	52.3	—	46	—	Marlborough.	
	a Margate	75	20th	51	19th, 23rd	69.4	54.3	61.3	+ 3.0	135	0	3	0.86	—	49.9	—	43	—	Margate.	
	a Wisley, Surrey	80	19th, 20th	47	19th	71.6	53.0	61.7	+ 2.0	138	0	3	0.42	—	54.8	—	48	—	Wisley.	
	a Swanton	79	20th	49	19th	69.4	52.2	60.2	+ 2.4	127	0	4	0.62	—	58.9	—	50	—	Swanton.	
	a Tunbridge Wells	70	19th, 20th	46	19th	64.4	54.6	59.2	+ 1.5	120	0	5	0.44	—	55.7	—	49	—	Tunbridge Wells.	
8. a, SOUTH WALES	a Dungeness	70	19th, 20th	46	19th	64.4	54.6	59.2	+ 1.5	120	0	5	0.44	—	55.7	—	49	—	Dungeness.	
	p Hastings	74	20th	54	19, 23, 24, 25	65.7	54.9	59.9	+ 1.8	125	0	3	0.41	—	65.4	—	57	—	Hastings.	
	p Southampton	75	19th, 20th	50	19th	69.2	54.4	61.3	+ 1.0	135	0	3	0.65	—	56.0	—	49	—	Southampton.	
	a Ventnor	70	19th	50	19th	65.1	54.3	59.3	+ 0.2	121	0	3	0.14	—	64.1	—	56	—	Ventnor.	
	a Westminster	79	19th, 20th	54	19th, 23rd	71.1	55.9	63.0	+ 3.6	147	0	4	1.10	—	45.0	—	39	—	Westminster.	
	a Greenwich																			

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound ..	—	—	54.4	—	Harrogate ..	0	43	58.0	55.0	6. Dumfries ..	0	41	61.9	57.1
1. Aberdeen ..	—	—	—	51.8	Huddersfield ..	0	43	61.2	52.5	Douglas ..	0	45	—	—
Crathes ..	0	38	57.2	52.3	Buxton ..	0	43	61.5	51.8	Aspatia ..	0	40	60.8	52.8
Balmoral ..	0	38	—	—	Sheffield ..	0	36	60.2	52.6	Newton Rigg ..	0	40	60.5	54.4
West Linton ..	0	36	—	—	Nottingham ..	0	44	62.6	56.6	Burnley ..	0	40	59.1	51.9
Marchmont ..	0	40	60.1	—	Birmingham ..	0	44	57.5	50.8	Southport ..	0	42	64.4	59.1
Cockle Park ..	0	46	61.6	55.3	Oxford ..	0	—	—	—	Manchester City ..	0	48	62.0	55.6
Durham ..	0	39	—	—	Hereford ..	0	35	—	—	Bettws-y-Coed ..	0	46	59.4	53.4
York ..	—	—	59.7	54.5	Bath ..	—	—	63.3	58.5	Llangammarch Wells ..	0	34	58.4	52.4
Hull ..	0	45	60.6	53.0	Margate ..	0	44	61.2	56.4	Cardiff ..	0	43	63.0	56.3
Lincoln ..	—	—	61.1	54.6	Greenwich ..	0	39	—	—	Clifton ..	0	47	—	—
Rauceby ..	0	44	65.7	55.9	Westminster ..	0	47	—	—	Plymouth ..	0	47	—	—
Norwich ..	0	44	—	—	Kew ..	0	44	62.9	56.3	9. Armagh ..	0	39	60.9	55.4
Yarmouth ..	—	—	65.3	59.1	Canterbury ..	0	42	61.6	58.6	Markree ..	0	40	62.0	54.5
Lowestoft ..	0	48	62.5	57.2	Tunbridge Wells ..	0	45	64.7	—	10. Dublin, Trin. Coll. ..	0	48	60.9	55.8
Cambridge ..	0	44	63.3	57.5	Wisley ..	0	43	63.6	58.0	11. Guernsey, Brooklyn ..	0	43	63.2	58.0
Clacton-on-Sea ..	0	44	62.0	58.0	Worthing ..	0	45	64.7	57.7					
Southend ..	0	49	64.4	—	Portsmouth ..	0	41	64.2	58.5					
Tottenham ..	0	49	—	57.7	Glasgow ..	0	42	—	—					
					6. Rothesay ..	—	—	—	52.6					
					Colmonell ..	0	41	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick ..	52	50	51.3	SCOTLAND, W.	Lamlash ..	55	54	54.3
	Kirkwall ..	53	53	53.0		Ballantrae ..	54	52	53.0
	Wick ..	51	50	50.8	ENGLAND, N.W.	Port Erin ..	54	52	52.4
SCOTLAND, E.	Cromarty ..	58	54	56.7		Newquay ..	60	59	59.2
	Pennan Bay ..	54	51	53.2		Scilly ..	59	54	55.1
	Aberdeen, Cove Bay ..	52	51	51.4	ENGLAND, S.W.	Plymouth ..	57	57	56.7
ENGLAND, N.E.	Burnmouth, Berwick ..	51	50	50.5		Salcombe ..	57	54	55.7
	Scarborough ..	54	52	53.0	IRELAND, N.W.	Sheephaven ..	58	57	57.9
ENGLAND, E.	Shipwash Lightship ..	59	57	58.6		Teelin ..	64	56	60.9
ENGLAND, S.E.	Margate ..	64	62	62.6	IRELAND, S.W.	Cleggan ..	57	55	56.4
	Eastbourne ..	61	60	60.6	IRELAND, E.	Seafield ..	62	56	58.6

* Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 139–143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: $\rightarrow$ = blue sky; $\rightarrow$ = detached cloud; $\rightarrow$ = overcast; $\rightarrow$ = misty (hazy); $\rightarrow$ = foggy; $\rightarrow$ = squally; $\rightarrow$ = rain; $\rightarrow$ = hail; $\rightarrow$ = snow; $\rightarrow$ = lightning; $\rightarrow$ = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 19th June, 1910.

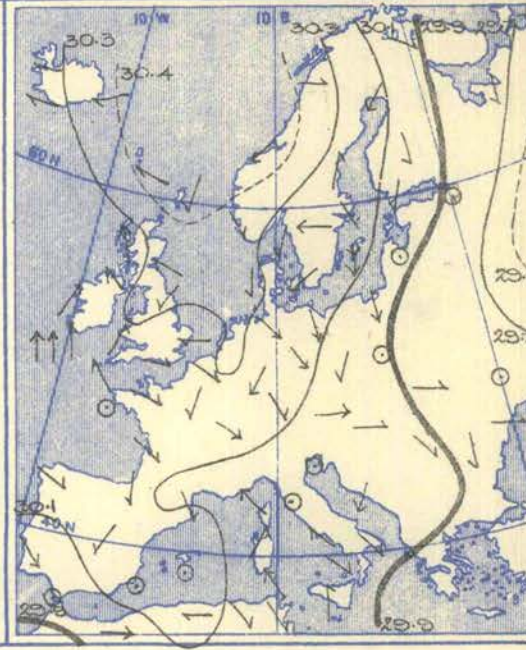
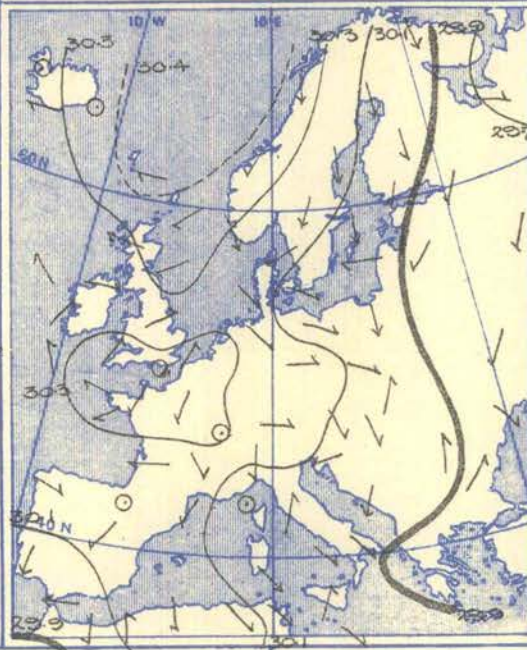
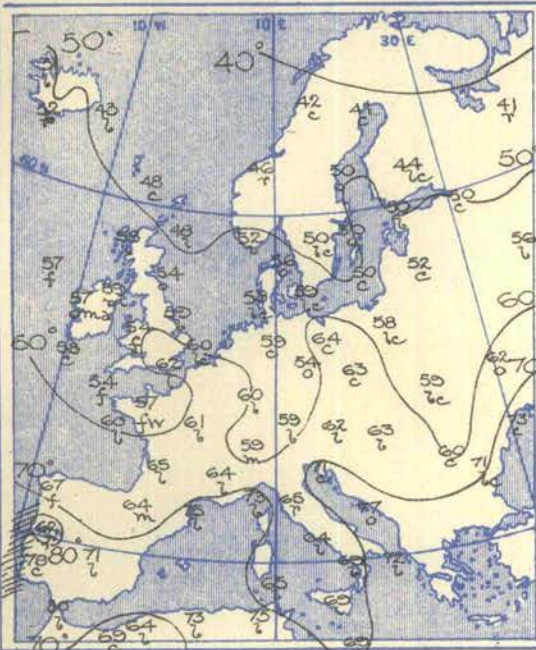
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to very fine and bright over nearly all parts of England and the major portion of the Continent, but overcast in various parts of Ireland and Scotland, with rain at Blacksod Point and Castlebay, and dull, with some rain on the west coast of Norway. Some rain later in the extreme north and west of these Islands and also in several parts of central Europe, Russia, and Italy. More than an inch at Neu-Fahrwasser, and about 0.9 in. at Naples and Rome.

Temperature risen over the United Kingdom. Morning readings ranging from 80° at San Fernando, 78° at Lisbon, and above 70° at many other southern stations, to below 50° over a large area in northern Europe, and to below 40° in the extreme north of Norway. Rising later to 79° in London and at some other stations in England, to between 80° and 90° over France, Italy, and the Spanish Peninsula, as well as in Algeria, and to above 90° in several places; thermometer touching 99° at Madrid and Lisbon.

Wind in morning light and very variable over these Islands and their neighbourhood, but mainly from some Northerly point over the eastern half of our area, and fresh to strong over the greater portion of Scandinavia. Decreasing in force later in many parts of northern Europe, but rising to a gale at Wisby.

Barometer in morning above 30.4 ins. in a large area between Norway and Iceland, and above 30.3 ins. over the southern half of England and the adjacent portion of the Continent; below 29.7 ins. in the extreme north-west of our area, and nearly as low in the far south-west. Distribution mainly cyclonic over the Mediterranean. Barometer falling slightly later over England and France, and very briskly over central Russia. Main anticyclonic system over these Islands and their vicinity undergoing some modification in form.

Monday, 20th June, 1910.

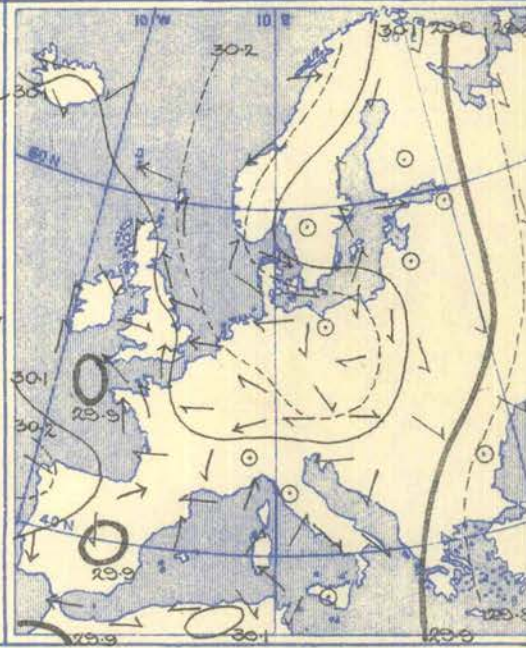
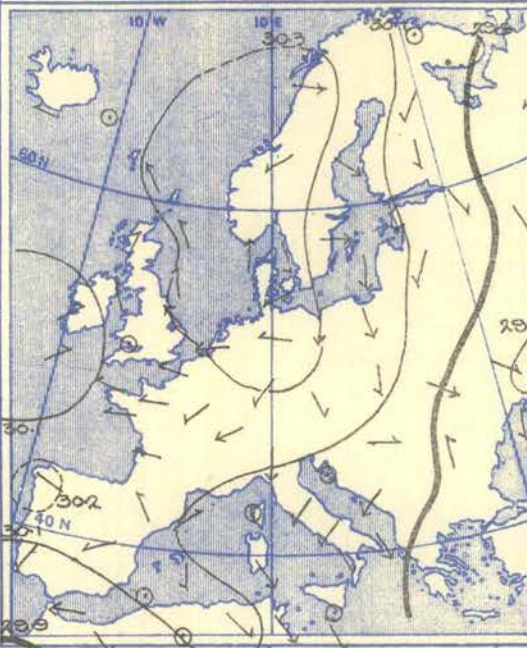
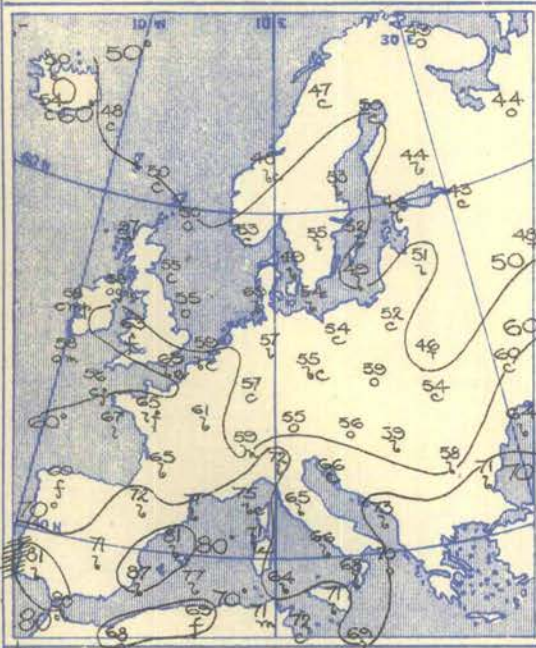
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright generally, but some fog prevalent on our western coasts and also at Corunna, and rain falling in the Hebrides and at Blacksod Point. Some rain later in the west and north of these Islands, with thunderstorms in places; amounts of rain more than 0.75 in. in a few localities. A thunderstorm occurring at Rochefort, and about 0.5 in. of rain falling at Brindisi and Bucharest.

Temperature risen at many of our own stations and in Scandinavia. Morning readings 81° at Barcelona, above 70° at several places in the south of Europe, above 60° over most of England and Wales; below 50° at many stations scattered over a wide area over the northern regions of the Continent, and no higher than 43° at St. Petersburg. Rising later to 79° in London, and to 80° at Nottingham and in some parts of Wales. Maxima very high at many places in the south of our area; about 99° at some stations, and as high as 101° at Madrid.

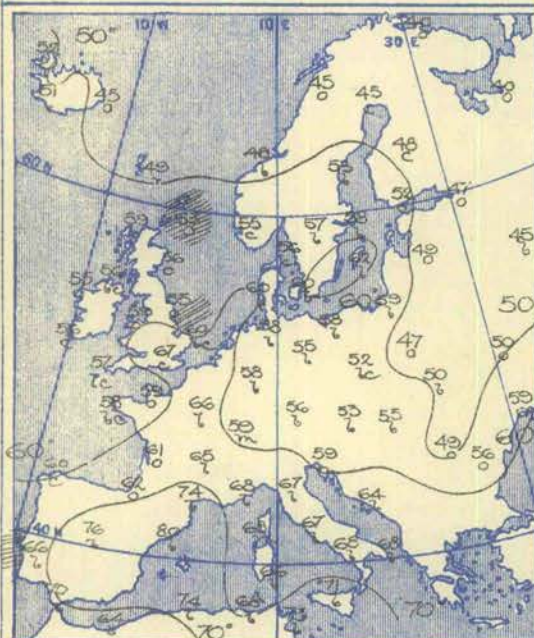
Wind in morning mainly anticyclonic except in the south and east of our area; a strong breeze from West blowing at Vienna, and from North at Wisby, but very few places elsewhere reporting a greater force than a light or moderate breeze. Wind becoming cyclonic over Scandinavia and in some other regions later.

Barometer in morning ranging from above 30.3 ins. in a large anticyclone covering the North Sea and a large portion of the adjacent Continent, to below 29.7 ins. in a depression over Little Russia. Relatively low in other disturbances to the westward and southward of the anticyclonic centre. High pressure system giving way steadily during day, and undergoing considerable modification in form; a small depression appearing off the south-west of England by evening, and pressure becoming less regular than of late over these Islands generally.

Tuesday, 21st June, 1910.

Temperature and Weather.

7 a.m.



Weather in morning mostly cloudy or overcast in these Islands, with rain in some parts of central England and Ireland. Generally fair to very fine on the Continent, but overcast, with some rain, in the south of Russia. Thunderstorms later at many stations in the west and north of these Islands and also in various French localities. Rain not very heavy in this country, but about 0.5 in. measured at the Helder and Flushing, 0.7 in. at Lyons, 0.8 in. at Archangel, and 1.0 in. at Kharkoff.

Temperature showing little change as a whole, risen in Scandinavia. Morning readings 80° at Barcelona, above 70° at some other places in the south, and above 65° in the north of France and the south-east of England; as low as 40° in the extreme north of the Continent, and below 50° over a large area. Rising later to rather above 70° in various parts of the United Kingdom, to about 70° in various parts of Germany and Austria, to nearly 80° in Holland, and to between 80° and 90° in many parts of southern Europe. Thermometer touching 90° at Madrid.

Barometer and Wind.

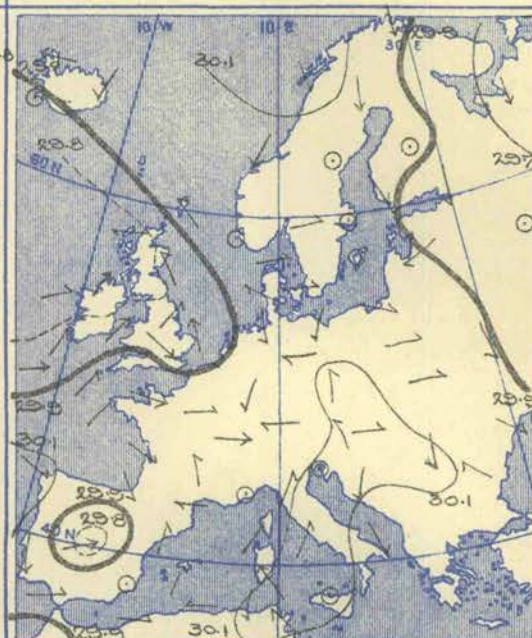
7 a.m.



Wind in morning light and cyclonic over the United Kingdom, and also over the southern and eastern regions of Europe. A light to fresh or strong North-Easterly current prevailing over Scandinavia. Increasing somewhat in force from between West and South over this country but no important change taking place over a large area.

Barometer in morning ranging from above 30.2 ins. in the north of Norway and also over the central part of Europe and off the north-west of Spain, to below 29.8 ins. over nearly the whole of Russia, and also in the north-west of these Islands. Pressure relatively low in a shallow depression off the south of France. Low pressure system on Atlantic extending slowly eastward over these Islands during day, and barometer falling somewhat in almost all parts of our area. Distribution becoming more irregular over Europe generally.

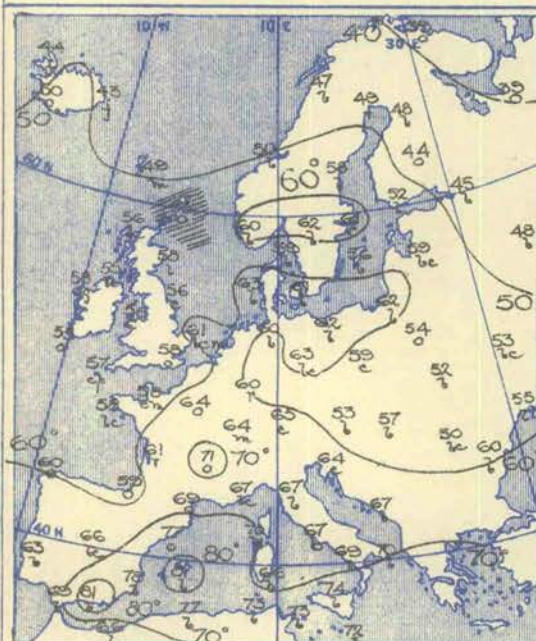
6 p.m.



Wednesday, 22nd June, 1910.

Temperature and Weather.

7 a.m.

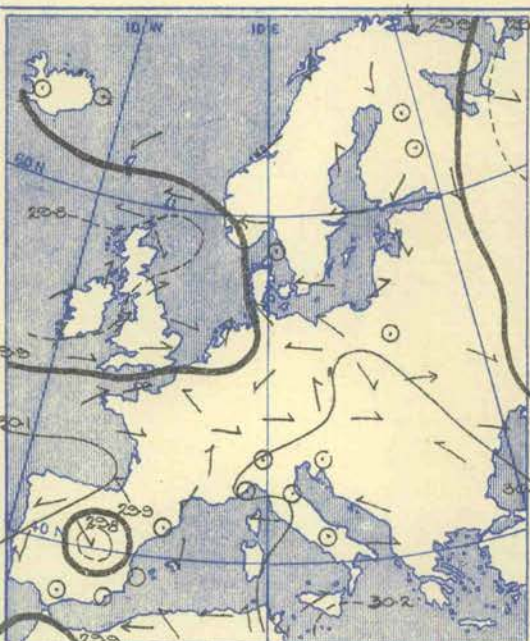


Weather in morning fair to fine and bright over the major portion of our area, but variable in the United Kingdom, with rain or showers at Dungeess and Scilly. Rain also falling at Rochefort, Frankfurt, and Bodo. Thunderstorms later in various parts of these Islands and at some French stations; nearly an inch of rain at Roche's Point, and 1.1 in. at Great Yarmouth. As much as 1.24 in. of rain during a thunderstorm at Manchester between 6.0 p.m. and 7.30 p.m. Some heavy falls of rain experienced at the mouth of the Elbe, in Switzerland, and the adjacent portion of France.

Temperature fallen in these Islands and France, risen in most other regions. Morning readings ranging from 81° at Palma, and above 70° at many other southern stations, to between 60° and 55° over a very large area, to below 50° in the far north, and to below 40° at Vardö. Maxima below 70° over this country and the north of France, but between 75° and 80° over the greater portion of central and southern Europe, between 80° and 90° in places, and 91° at Madrid.

Barometer and Wind.

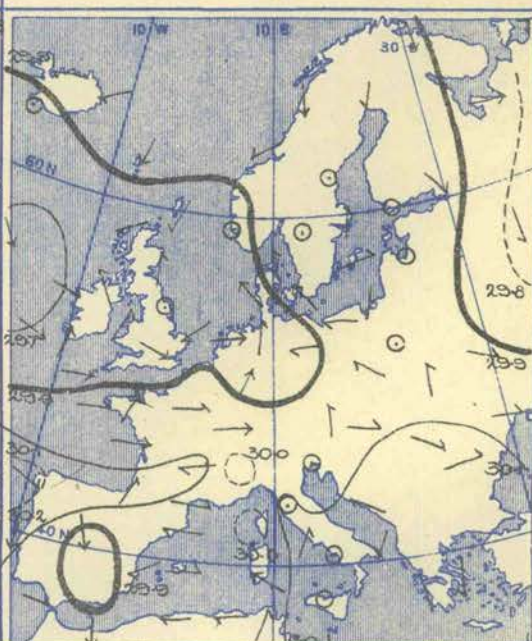
7 a.m.



Wind in morning light and variable in many localities, but mainly cyclonic except in the south-eastern countries. A gale from North prevailing at Vardö, but scarcely any place elsewhere having a greater force than a light to moderate breeze. Scarcely any change later in day; gale at Vardö subsiding.

Barometer in morning 30.1 ins. and above over Italy and the south-eastern quarter of the Continent, and relatively high in a band extending thence across Scandinavia to the Arctic. Below 29.8 ins. in the north of Russia, over the west and north of these Islands, and also in central Spain. Low pressure system extending eastward across the North Sea by evening and pressure giving way slowly over the north-western countries generally. No great change occurring in the distribution.

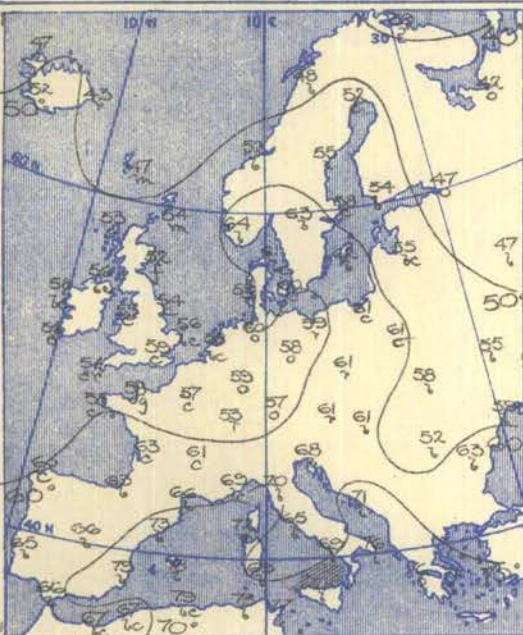
6 p.m.



Thursday, 23rd June, 1910.

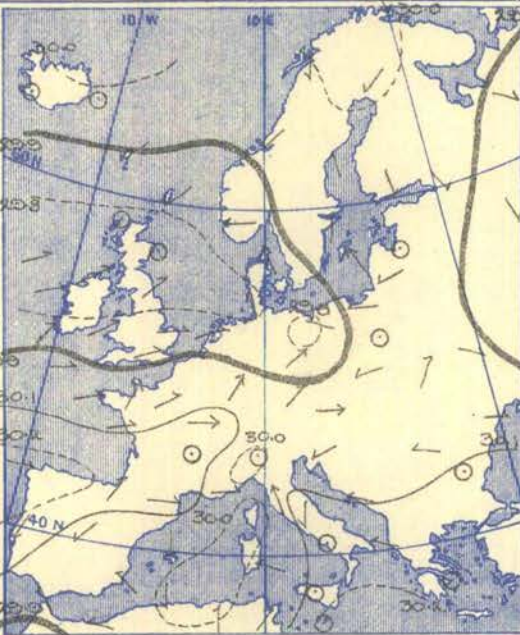
Temperature and Weather.

7 a.m.

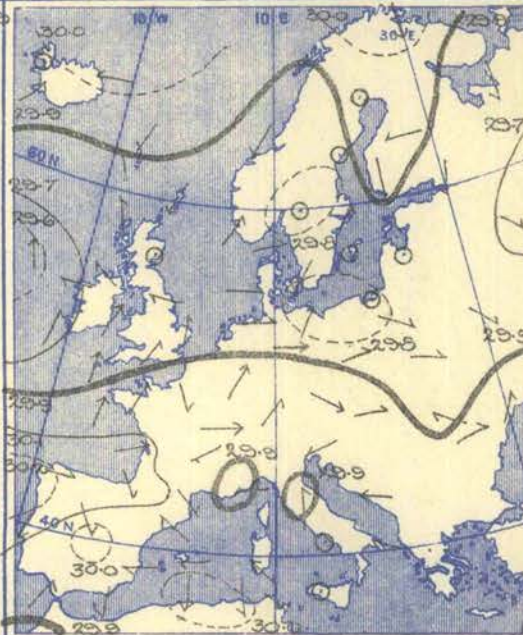


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or dull over nearly the whole of this country, as well as in northern France, central Europe, and Denmark, with rain in a few localities. Fair to fine and bright at most stations in southern Europe, Russia, and Scandinavia, but rainy at Vardø. Rain later over the United Kingdom, France, and the central countries of the Continent; amount considerable in several places, and as much as 0.9 in. at Karlsruhe. Thunderstorms in some parts of England.

Temperature changed irregularly. Morning readings ranging from above 75° at several stations in the far south of our area, to below 60° over a very large area in the north, and to about 40° at Vardø and the White Sea region. Rising to about 70° later in some parts of England, the north of France, and central Europe, and to much above 70° in the southern regions. Maxima above 80° in many localities, and as high as 91° at Brindisi and Madrid.

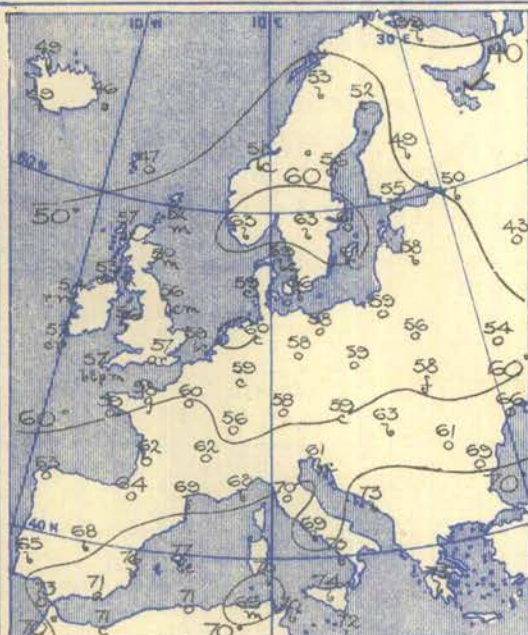
Wind in morning light or moderate in force and varying greatly in direction; generally between West and South-West over Ireland, England, the north of France, the Netherlands, and Germany, and Easterly over Denmark and Scandinavia. No change of importance later.

Barometer in morning above 30.1 ins. in the south-west and south-east of our area, and above 30.0 ins. in the far north; below 29.8 ins. in a band extending from the Atlantic across the north of these Islands and the North Sea, and a little lower in central Russia. A very shallow depression existing over the western part of the Mediterranean. Very little change in the general distribution over these Islands and their immediate vicinity, but a depression forming over the south of Scandinavia. Pressure remaining relatively high in the south-west of Europe, but giving way decidedly in the south-east.

Friday, 24th June, 1910.

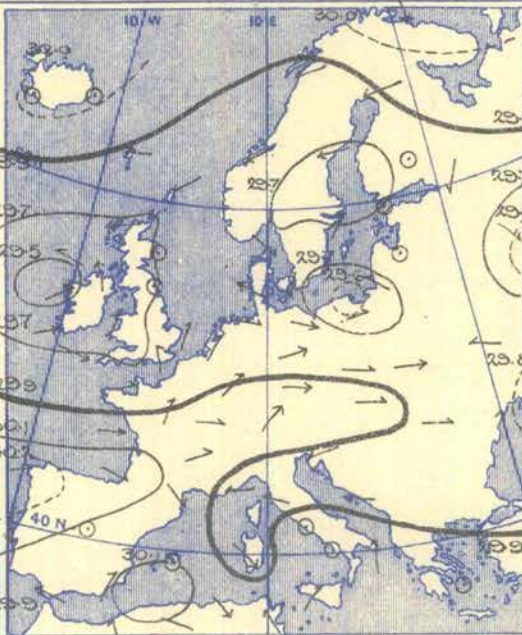
Temperature and Weather.

7 a.m.

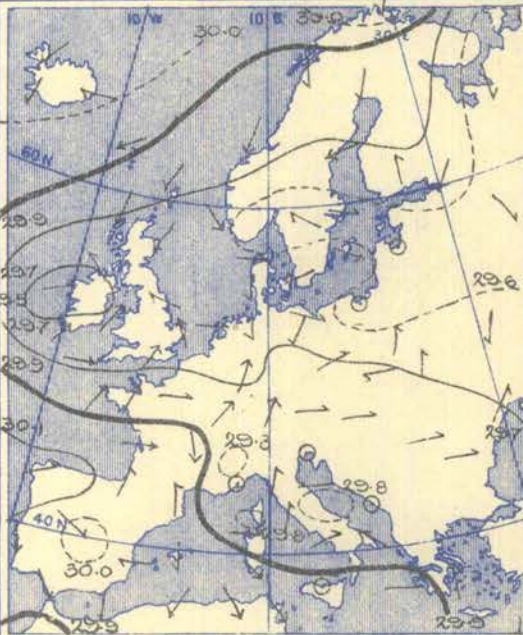


Barometer and Wind.

7 a.m.



6 p.m.



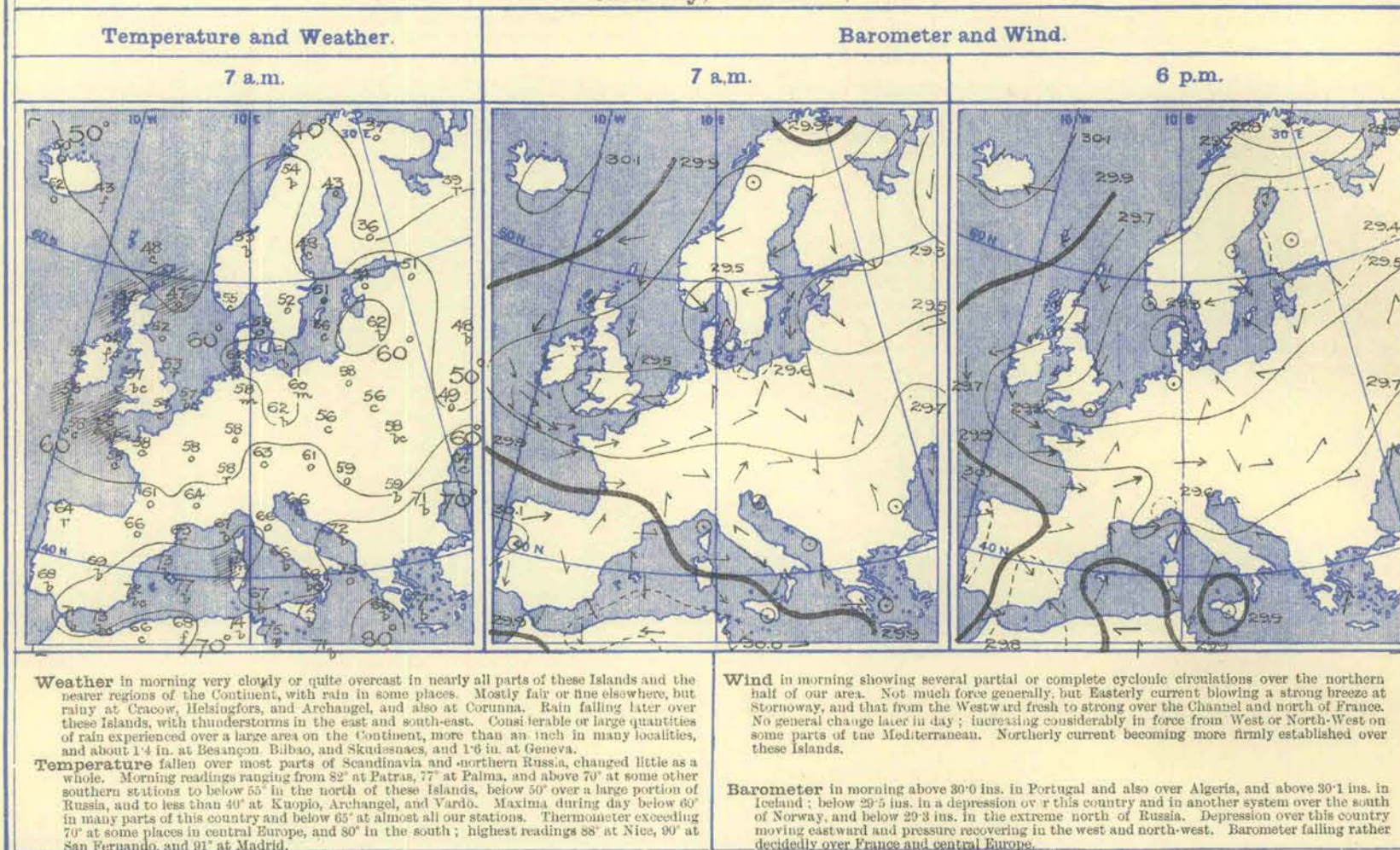
Weather in morning rainy in many parts of England and Ireland, and at some French stations, and cloudy or overcast in central Europe; generally fair to fine and bright elsewhere. Rain or passing showers later in nearly all parts of this country and France, with thunder and lightning in places; rain experienced at various stations in central and northern Europe, and as much as 2.0 ins. at Trieste.

Temperature changed slightly and irregularly in most regions. Morning readings ranging from above 70° at some stations on the shores of the Mediterranean and Adriatic, to 60° or rather lower over a very large area, to 43° at Moscow, and to 39° at Vardø. Maxima during day below 65° over a considerable portion of the United Kingdom, and below 70° at many places in the central countries; above 80° over a large area in the south, and 91° and 93° respectively at Brindisi and Madrid.

Wind in morning showing several partial or complete cyclonic circulations of light or moderate force. A strong Northerly breeze prevailing at Vardø, and a fresh Westerly breeze at some German stations, but very little strength reported elsewhere. Increasing somewhat in force by evening in many localities; from the North-Eastward in the Hebrides, from the Westward over the Bay of Biscay, and from the North-Westward at Cape Sicily.

Barometer in morning above 30.2 ins. in the north-west of Spain, and relatively high in the far north of our area; below 29.5 ins. in a depression off the west of Ireland, and low in two minima over Scandinavia and the Baltic, and also in an ill-defined system over the Mediterranean and Italy. Pressure giving way during day over the greater part of our area; Atlantic depression moving slowly over Ireland, and small secondary systems forming in other parts of these Islands.

Saturday, 25th June, 1910.



VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.	Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	June 23rd, 10.20 a.m. to 12.30 p.m.	Brighton, 115 m.	Temperature 288° Humidity .. 95% Wind .. 250°, 8	285·5° 100% —, 10	284° 90% 270°, 12	282° 80% 270°, 14				230° 90% 270°, 15	Scud at 100 m. above ground on ascent and at various heights above, clear on descent.
2	June 25th, 3.40 p.m. to 5.40 p.m.	Brighton, 115 m.	Temperature 287° Humidity .. 95% Wind .. 250°, 11	285·5° 100% 255°, 18	283·5° 100% 235°, 17	280·5° 100% —, 16				278° 100% —, 15	Almost overcast. Fracto Nimbus. Lowest scud 375 m. Kite mostly hidden.
3	June 23rd, 4.15 p.m. to 5.45 p.m.	Brighton, 115 m.	Temperature 289° Humidity .. 89% Wind .. 270°, 10	287° 100% 270°, 12	286° 75% —, 14					285° 75% 280°, 14	A little thin scud at about 500 m. Heavy bank of Cu. on N. horizon, otherwise clear.
4	June 27th, 9.55 a.m. to 11.40 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature 287° Humidity .. 70% Wind .. 260°, 7	286° 70% 260°, 12	282·5° 85% 260°, 12	279° 100% 270°, 16	278° 100% 290°, 18				Overcast, clouds at 1,000 m. Unusual increase of wind velocity over 1,000 m.

The time of the ascent at Brighton on June 16th was 10.10 a.m. to 11.30 a.m.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4
No. of Kites..	2	2	1	1
Area of Surface (sq. metres) ..	9	7	4·5	7
Length of Wire (metres) ..	2,000	2,000	1,050	1,800

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 209

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 26.
Vol. XXVII. (New Series.)

TWENTY-SIXTH WEEK, SUNDAY, JUNE 26TH, TO SATURDAY, JULY 2ND, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—A very unsettled condition prevailed throughout the week, precipitation, generally in showers, being very frequent. Thunderstorms were experienced at a few stations in eastern England on Wednesday, at many places in that district and in some parts of northern England on Thursday, and over the eastern half of England and at some places in the east of Scotland on Friday, while on Saturday they were very general over the eastern half of England and also occurred at some western stations and in Scotland.

Temperature was below the normal, the deficit being about $2\frac{1}{2}^{\circ}$ in the English Channel and between 3° and 5° elsewhere. The highest of the maxima were generally recorded either on Monday or Tuesday, and ranged from 70° in England S.E. to 63° in England N.W. At many of the western and northern stations, and also at Portland Bill, the thermometer remained below 60° during the greater part of the week. The lowest of the minima, which were registered at most stations early in the week, ranged from 30° in Scotland E. (at Balmoral on Tuesday) and 38° in Scotland W. to 46° in Ireland N. and to 47° in Ireland S. and the English Channel. The lowest grass readings reported were 26° at Balmoral, 32° at Crathes, 33° at Hereford, 34° at West Linton and Sheffield, and 35° at Durham, Glasgow, Newton Rigg, and Llangammarch Wells.

Mean Temperature of the Sea was generally higher than during the corresponding week of last year in the east and lower in the west and north. At Wick it was nearly 7° lower. The mean values ranged from about 61° at Margate and Eastbourne, 60° at Newquay, and 59° at Seaford to below 54° on most parts of the north-west, north, and north-east coasts of Britain, and to 50° at Wick.

Rainfall exceeded the mean in all districts, the excess being large in England and Ireland, very slight in Scotland W. and the English Channel.

Bright Sunshine was less than the normal, the deficit being considerable except in the south of England and the English Channel stations. The percentage of the possible duration ranged from 49 in the English Channel, 39 in England S.E., and 35 in England S.W. to less than 20 in the north of Ireland and the north and east of Scotland, the lowest value being 12 in Scotland N.

Barometer and Wind.—The changes in the general distribution of pressure were very gradual. Early in the week a rather deep depression was centred over Denmark and the south of Norway, and the wind over these Islands was moderate to fresh or strong from N. or N.W. This system subsequently moved north-westward towards Ireland, while other disturbances came over this country from the Atlantic, and travelling in a general easterly direction, eventually formed a large area of low pressure extending from Finland and the Gulf of Bothnia to these Islands. Some shallow, ill-defined disturbances also developed over the United Kingdom itself. The direction of the wind during the latter half of the week was mainly between N.W. and W., and its force often fresh to rather strong in the western and southern districts.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 212.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.	
Comparison with average for the time of year 	Warmth	...	Very deficient	Very deficient	Deficient	Deficient	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Deficient	Deficient	Deficient
	Rainfall	...	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Very heavy	Moderate	Heavy	Heavy	Moderate
	Sunshine	...	Very scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Scanty	Scanty	Moderate	Scanty	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 4 weeks from June 5th, 1910.	Warmth ...	3*1	1*1	2*1	2*1	3*1	2*1	2*1	2*1	1*1	3*1	0*1	1*1
	Rainfall ...	0*1	1*2	2*2	2*1	*1	3*1	1*2	1*1	2*1	2*0	3*1	1*1
	Sunshine ...	2*1	2*2	1*1	0*2	1*2	1*1	2*1	2*1	1*1	0*2	0*2	1*1

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1*7	1*8	2*7	2*9	2*7	2*10	1*7	1*8	2*7	1*5	1*4	2*8
	Rainfall ...	3*5	2*6	5*6	5*3	4*4	5*5	4*4	5*4	4*6	1*5	1*9	2*7
	Sunshine ...	5*3	4*3	1*7	3*6	3*6	4*7	2*4	3*6	4*5	3*5	4*5	4*4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2*6	3*5	2*6	4*5	4*5	3*6	3*7	3*6	3*6	4*7	4*6	3*5
	Rainfall ...	5*7	5*4	1*4	3*1	3*4	5*4	4*5	4*6	4*5	4*7	5*8	5*5
	Sunshine ...	5*2	5*3	3*5	2*6	2*5	3*2	5*5	5*2	4*4	5*2	5*2	4*5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1*5	2*4	3*4	4*2	3*2	5*4	3*4	5*3	4*4	3*6	2*6	4*4
	Rainfall ...	4*2	5*2	5*2	6*1	7*2	5*2	6*1	7*1	7*2	6*3	6*3	5*3
	Sunshine ...	10*2	6*0	4*2	7*2	8*2	8*2	5*1	8*0	6*1	4*4	4*1	3*3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5*5	3*4	7*1	5*3	5*5	4*6	4*4	4*2	3*5	4*5	3*5	3*4
	Rainfall ...	5*4	2*3	4*4	7*3	4*4	5*5	4*5	4*5	2*4	3*4	6*4	4*3
	Sunshine ...	6*1	3*2	2*5	4*3	6*4	5*5	3*4	4*3	4*3	2*5	3*5	4*7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

TWENTY-SIXTH WEEK—June 26th to July 2nd, 1910.																	
DISTRICTS. (See Frontispiece map.)	Temperature.								Rainfall.				Sunshine.				
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)							
0. SCOTLAND, NORTH	66	39	56.2	44.7	50.0	- 4.3	Day-deg. 56	Day-deg. - 30	Day-deg. 0	Day-deg. 0	6	+ 2	Inches. 0.92	Inches. +0.19	14	- 18	% 12
Eastern																	
1. SCOTLAND, EAST	65	30	58.5	44.7	51.1	- 4.9	64	- 34	0	0	6	+ 3	0.78	+0.23	23	- 20	19
2. ENGLAND, N.E.	69	43	61.9	47.8	54.4	- 3.2	87	- 22	0	0	6	+ 4	0.76	+0.32	36	- 9	31
3. ENGLAND, EAST	69	39	63.4	49.1	56.7	- 3.9	96	- 27	0	0	6	+ 4	0.90	+0.53	39	- 13	33
4. MIDLAND COUNTIES	69	41	61.7	48.4	54.6	- 4.6	88	- 33	0	0	6	+ 3	0.78	+0.30	33	- 12	29
5. ENGLAND, S.E.	70	42	62.8	50.7	56.3	- 3.9	100	- 27	0	0	5	+ 2	0.89	+0.52	45	- 8	39
Western																	
6. SCOTLAND, WEST	64	38	59.6	47.5	53.1	- 3.8	78	- 26	0	0	6	+ 3	0.79	+0.07	29	- 13	25
7. ENGLAND, N.W.	63	41	59.2	48.9	53.7	- 4.5	82	- 32	0	0	6	+ 2	1.41	+0.32	26	- 19	22
8. ENGLAND, S.W.	66	40	60.7	49.9	54.9	- 3.9	90	- 28	0	0	5	+ 3	0.69	+0.18	40	- 8	35
9. IRELAND, NORTH	64	46	58.5	49.0	53.4	- 3.7	80	- 26	0	0	7	+ 3	1.21	+0.57	20	- 15	17
10. IRELAND, SOUTH	65	47	60.7	50.8	55.4	- 3.1	94	- 21	0	0	6	+ 3	0.84	+0.24	39	- 1	33
11. ENGLISH CHANNEL	66	47	62.6	53.0	57.4	- 2.4	108	- 16	0	0	5	+ 2	0.45	+0.05	55	- 4	49
THE SEASON (Summer).—Aggregates, &c., for the Period of 4 Weeks, June 5th to July 2nd, 1910.																	
0. SCOTLAND, NORTH	78	34	*	*	*	*	332	+ 26	0	- 2	13	- 2	1.90	-0.70	152	+ 7	31
Eastern																	
1. SCOTLAND, EAST	79	30	*	*	*	*	336	- 7	0	- 1	15	+ 3	1.52	-0.52	170	+ 2	35
2. ENGLAND, N.E.	81	37	*	*	*	*	406	+ 32	0	0	12	+ 1	1.56	-0.15	170	- 6	36
3. ENGLAND, EAST	83	39	*	*	*	*	459	+ 33	0	0	13	+ 2	2.29	+0.43	183	- 9	40
4. MIDLAND COUNTIES	83	40	*	*	*	*	455	+ 31	0	0	15	+ 4	2.89	+0.99	157	- 17	34
5. ENGLAND, S.E.	81	39	*	*	*	*	478	+ 27	0	0	15	+ 4	2.97	+1.23	181	- 16	40
Western																	
6. SCOTLAND, WEST	78	37	*	*	*	*	406	+ 29	0	0	12	- 1	2.14	-0.52	191	+ 13	40
7. ENGLAND, N.W.	81	40	*	*	*	*	430	+ 26	0	0	13	0	2.66	+0.58	182	- 2	39
8. ENGLAND, S.W.	81	34	*	*	*	*	421	- 5	0	0	15	+ 3	3.49	+1.40	174	- 19	38
9. IRELAND, NORTH	75	40	*	*	*	*	385	+ 9	0	0	18	+ 3	3.78	+1.32	136	- 21	29
10. IRELAND, SOUTH	75	41	*	*	*	*	423	+ 5	0	0	18	+ 5	3.77	+1.43	149	- 23	32
11. ENGLISH CHANNEL	79	47	*	*	*	*	452	+ 4	0	0	14	+ 1	2.65	+0.99	202	- 26	45
THE YEAR.—Aggregates, &c., for the Period of 26 Weeks, January 2nd to July 2nd, 1910.																	
0. SCOTLAND, NORTH	78	2	*	*	*	*	785	+ 31	595	+ 38	125	+ 6	26.51	+3.47	692	+53	30
Eastern																	
1. SCOTLAND, EAST	79	-10	*	*	*	*	848	- 26	636	+ 16	106	+10	14.19	+0.80	766	+30	33
2. ENGLAND, N.E.	81	6	*	*	*	*	1044	+113	454	- 21	99	+11	11.05	+0.86	769	- 9	34
3. ENGLAND, EAST	83	17	*	*	*	*	1225	+108	393	-128	99	+13	12.60	+2.42	882	+55	39
4. MIDLAND COUNTIES	83	10	*	*	*	*	1210	+ 67	474	- 59	104	+19	13.03	+1.42	781	+40	34
5. ENGLAND, S.E.	81	13	*	*	*	*	1279	+ 61	294	- 87	105	+23	14.72	+3.37	884	+57	39
Western																	
6. SCOTLAND, WEST	78	0	*	*	*	*	1024	+ 55	432	+ 7	114	+12	21.61	+1.13	765	+14	33
7. ENGLAND, N.W.	81	7	*	*	*	*	1090	+ 62	338	- 48	117	+23	18.19	+3.32	810	+55	36
8. ENGLAND, S.W.	81	8	*	*	*	*	1193	+ 2	242	- 59	111	+19	19.37	+3.20	869	+39	38
9. IRELAND, NORTH	75	7	*	*	*	*	1088	+ 2	351	+ 6	129	+19	20.49	+4.07	675	-43	30
10. IRELAND, SOUTH	78	18	*	*	*	*	1241	+ 4	258	- 1	129	+30	22.26	+4.40	744	-50	33
11. ENGLISH CHANNEL	79	28	*	*	*	*	1385	+ 18	54	- 55	108	+ 8	17.06	+3.48	973	-19	43

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 ‡ The corresponding value for Report No. 25 slightly altered owing to the receipt of further information.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked a, and at the hour of evening observation (9 p.m.) at Stations marked p. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked a is supplied by the Royal Meteorological Society, and that for Stations marked p is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.				NAMES OF STATIONS.			
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.		Difference from Average.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.											Above 42°.	Below 42°.
0. SCOTLAND, N.	a, Islands.	p Balla Sound	61	2nd	42	29th, 30th	55.7	43.5	49.2	50	0	0.40	—	35.9	—	23	—	Balla Sound.		
		a Sumburgh Head	58	27th	41	28th	56.3	43.5	49.2	50	0	0.26	—	16.1	—	13	—	Deerness.		
		a Stornoway	56	26th	41	28th	53.9	45.4	49.4	52	0	1.07	+ 0.48	14.1	—	11	—	Stornoway.		
		a Castlebay, Barra Isd.	56	26th, 29th	46	27th	54.3	47.7	50.8	52	0	0.65	—	24.1	—	20	—	Castlebay.		
		a Wick	62	28th	40	29th	55.6	42.9	48.8	58	0	0.89	+ 0.39	15.2	—	12	—	Strathpeffer.		
	b, Main-land.	p Strathpeffer	66	29th	40	28th	58.7	45.3	51.5	67	0	1.04	+ 0.54	15.2	—	12	—	Strathpeffer.		
1. SCOTLAND, E. . .		p Glencarron	57	2nd	39	28th	52.3	42.6	47.4	60	0	1.72	+ 0.69	12.3	—	10	—	Fort Augustus.		
		p Fort Augustus	61	30th	44	28th	57.8	45.7	51.3	65	0	0.63	+ 0.11	12.3	—	10	—	Fort Augustus.		
		p Fort William	61	26th	43	28th	58.1	46.3	51.8	69	0	0.81	—	12.3	—	10	—	Fort William.		
		p Gordon Castle	61	2nd	42	28th	57.1	44.1	50.2	67	0	1.40	+ 0.86	16.6	—	13	—	Gordon Castle.		
		a Nairn	60	2nd	42	28th	57.4	44.9	50.7	67	0	1.31	+ 0.87	17.9	—	14	—	Nairn.		
		a Aberdeen	61	2nd	44	28th	57.7	46.1	51.5	67	0	0.32	—	19.7	—	16	—	Aberdeen.		
2. ENGLAND, N.E.		a Balmoral	65	30th	30	28th	59.1	41.0	49.4	86	3	0.85	+ 0.35	15.4	—	13	—	Crathes S.		
		p Crieff	64	1st	44	28th, 29th	59.8	45.5	52.2	71	0	0.84	+ 0.18	19.2	—	16	—	Balruddery.		
		a Leith	62	28th	47	27th, 29th	60.1	48.3	53.8	81	0	0.32	—	17.1	—	13	—	Edinburgh.		
		a West Linton	59	2nd	39	26th	57.0	42.9	49.5	63	0	0.56	—	28.8	—	24	—	West Linton.		
		p Marchmont	62	28th	42	30th	59.7	44.7	51.7	80	0	0.64	+ 0.06	40.9	—	34	—	Marchmont.		
		a Alnwick Castle	64	28th	45	27th, 2nd	61.4	47.1	53.8	83	0	0.55	+ 0.05	38.9	—	32	—	Cockle Park.		
3. ENGLAND, E.	a, North.	a Shields	66	28th	43	27th	60.6	46.3	53.0	77	0	0.59	+ 0.10	30.1	—	25	—	Newcastle.		
		p Durham	65	2nd	43	30th	61.1	45.7	52.9	76	0	0.37	—	39.5	—	33	—	Durham.		
		p Rounton	64	28th	43	30th, 2nd	60.5	45.4	52.4	73	0	0.58	+ 0.10	30.1	—	25	—	Rounton.		
		p Scarborough	69	28th	47	27th, 2nd	65.1	49.0	56.5	102	0	0.70	+ 0.26	40.2	—	34	—	Scarborough.		
		p York	65	28th	46	2nd	62.1	49.4	55.3	93	0	1.20	+ 0.69	27.6	—	23	—	York.		
	b, South.	a Spurn Head	64	28th	49	26th, 27th	60.0	50.4	54.9	90	0	0.78	+ 0.43	37.2	—	32	—	Spurn Head.		
4. MIDLAND COUNTIES.		a Lincoln	66	28th	45	26th	62.8	48.2	55.0	91	0	0.90	+ 0.53	37.2	—	32	—	Lincoln.		
		a Fulbeck	67	29th	45	27th	63.4	48.6	55.5	95	0	1.11	+ 0.64	34.3	—	29	—	Fulbeck.		
		p Cromer	68	28th	44	27th	63.5	48.5	55.5	95	0	0.95	—	34.6	—	30	—	Cromer.		
		p Hillington	67	28th	39	27th	62.6	48.9	52.6	74	0	1.20	+ 0.83	32.4	—	28	—	Hillington.		
		a Yarmouth	67	28th	40	27th	62.7	48.7	55.2	92	0	1.20	+ 0.73	49.4	—	43	—	Yarmouth.		
		a Norwich	67	28th	45	27th	63.0	49.5	55.8	97	0	1.28	—	49.4	—	43	—	Norwich.		
5. ENGLAND, S.E. . .		p Geldeston	69	28th	44	27th	64.2	49.6	56.3	100	0	0.80	+ 0.36	40.2	—	35	—	Geldeston.		
		p Cambridge	68	28th	45	27th	63.4	49.6	56.0	98	0	0.63	+ 0.14	37.8	—	33	—	Cambridge.		
		a Felkstone	68	28th	45	27th	63.0	49.2	55.2	96	0	0.41	—	43.3	—	37	—	Felkstone.		
		a Clacton-on-Sea	69	28th	47	27th	64.6	51.6	57.7	110	0	0.48	—	35.2	—	31	—	Clacton.		
		a Rothamsted	66	28th	45	27th	62.4	48.8	55.1	92	0	0.80	+ 0.29	39.0	—	34	—	Rothamsted.		
		a Shoeburyness	68	28th	47	27th	64.1	51.7	57.5	109	0	0.72	+ 0.34	35.5	—	31	—	Shoeburyness.		
6. LONDON.		p Tottenham	67	28th	46	27th	64.8	51.5	57.5	109	0	0.61	—	40.1	—	35	—	Tottenham.		
		a Harrogate	61	1st	44	26th, 27th	58.7	46.3	52.1	71	0	1.33	+ 0.79	32.5	—	28	—	Harrogate.		
		a Bawtry	66	2nd	45	27th	62.6	48.3	55.0	97	0	0.68	+ 0.23	21.4	—	18	—	Bawtry.		
		p Buzton	65	28th, 1st	42	26th	56.5	46.2	51.0	63	0	1.12	+ 1.37	55.0	—	30	—	Buzton.		
		a Nottingham	60	28th, 1st	45	27th	62.0	49.0	55.1	92	0	0.89	+ 0.41	32.4	—	28	—	Nottingham.		
		p Birmingham, Edgban	66	28th	45	26th	60.1	48.1	53.7	82	0	0.85	+ 0.35	28.5	—	25	—	Birmingham.		
7. ENGLAND, S.W. . .		a Raunds	69	28th	41	27th	64.6	47.8	55.6	95	0	0.89	—	35.9	—	32	—	Raunds.		
		a Oxford	66	29th	47	26th	62.9	50.6	56.3	100	0	0.81	+ 0.28	35.9	—	31	—	Oxford.		
		a Cheadle	63	28th, 1st	41	26th	60.0	45.4	52.2	74	0	0.90	+ 0.39	31.4	—	27	—	Cheadle.		
		p Shrewsbury	64	28th	47	26th	60.9	49.4	54.8	90	0	0.63	—	35.9	—	31	—	Shrewsbury.		
		a Hereford	65	28th	45	26th, 27th	62.8	49.1	55.5	94	0	0.29	—	35.9	—	31	—	Hereford.		
		a Cirencester	65	29th	45	26th, 27th	61.8	47.6	54.2	85	0	0.42	—	38.4	—	33	—	Cirencester.		
8. IRELAND, N.		a Bath	64	28th	48	27th	62.3	50.7	56.1	90	0	0.81	+ 0.27	46.8	—	41	—	Bath.		
		p Kew	67	28th	47	27th	63.5	51.6	57.1	106	0	0.79	+ 0.29	32.0	—	28	—	Kew.		
		a Marlborough	68	28th	42	27th	61.3	48.3	54.4	87	0	0.94	+ 0.36	30.1	—	26	—	Marlborough.		
		a Margate	69	28th	50	30th, 2nd	63.7	51.7	57.3	107	0	1.72	+ 1.29	37.9	—	33	—	Margate.		
		a Wisley, Surrey	70	27th	45	27th	64.3	50.1	56.9	104	0	0.65	—	37.3	—	33	—	Wisley.		
		a Swaraton	64	28th	44	26th	61.3	48.1	54.2	85	0	1.02	+ 0.51	61.6	—	54	—	Worthing.		
9. IRELAND, S.		a Tunbridge Wells	66	28th	46	27th	62.3	49.1	55.2	92	0	0.59	+ 0.09	45.5	—	40	—	Tunbridge Wells.		
		a Dungeness	64	30th	49	27th	62.6	53.0	57.5	109	0	1.18	+ 0.81	49.8	—	44	—	Dungeness.		
		p Hastings	64	28th	49	27th	62.2	51.7	56.6	102	0	0.80	+ 0.34	53.9	—	47	—	Hastings.		
		p Southampton	66	28th	46	27th	63.4	50.9	56.7	103	0	0.90	+ 0.41	37.1	—	33	—	Southampton.		
		a Ventnor	64	28th	47	27th	62.5	52.8	57.3	107	0	0.26	—	52.3	—	46	—	Ventnor.		
		a Westminister	67	28th	46	27th	63.4	50.9	56.7	103	0	0.97	+ 0.47	33.4	—	25	—	Westminister.		
10. IRELAND, N.		a Greenwich	69	28th	45	27th	66.1	50.5	57.8	111	0	1.02	+ 0.54	33.5	—	29	—	Greenwich.		
		a Poltalloch	61	2nd	41	2nd	59.3	46.3	52.1	71	0	0.80	+ 0.13	32.0	—	28	—	Poltalloch.		
		p Glasgow	60	26, 30, 1st	45	26th	59.3	47.5	53.0	77	0	0.88	+ 0.05	26.7	—	22	—	Glasgow.		
		p Rothesay	63	2nd	42	26th	60.3	46.9	53.1	77	0	0.92	+ 0.16	26.7	—	22	—	Rothesay.		
		a Kilmarlock	61	26th, 2nd	38	26th	59.9	45.9	52.4	73	0	0.67	—	26.0	—	22	—	Kilmarlock.		
		a Colmoneil	63	2nd	46	26th	58.7	48.3	53.1	72	0	0.98	+ 0.37	26.0	—	22	—	Colmoneil.		
11. ENGLISH CHANNEL.		p Dumfries	62	28th	46	26th, 27th	59.6	47.3	53.0	77	0	0.97	+							

Additional Sunshine Totals for the week: Brighton 54.0 hrs. (+ 2 hrs.), 47% (+ 2%); Bournemouth, 50.1 hrs., 44%; Bognor 54.1 hrs., 43%.

For notes see opposite page.

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	53.1	—	Harrogate	0	40	55.6	55.0	6. Dumfries	?	?	59.9	57.9
1. Aberdeen	—	—	—	51.8	Huddersfield	0	40	57.6	53.8	Douglas	0	44	—	—
Crathes	0	32	55.6	53.0	Buxton	0	38	57.3	52.9	Aspatia	0	42	57.3	53.3
2. Balmoral	1	26	—	—	Sheffield	0	34	56.8	53.6	Newton Rigg	0	35	58.0	54.7
West Linton	0	34	—	—	Nottingham	0	40	57.7	56.8	Burnley	0	37	55.4	53.0
Marchmont	0	41	56.3	—	Birmingham	0	40	58.5	51.3	Southport	0	44	60.7	59.1
Cockle Park	0	39	56.0	55.1	Oxford	0	—	—	—	Manchester City	0	45	57.2	56.7
Durham	0	35	—	—	Hereford	0	33	—	—	Bettws-y-Coed	0	47	56.0	54.1
3. York	—	—	57.7	55.2	Cirencester	0	39	58.4	56.2	Llangammarch Wells	0	35	56.4	53.0
Hull	0	43	58.0	54.0	Bath	—	—	—	—	Cardiff	0	41	59.2	57.2
Lincoln	—	—	57.7	55.1	Margate	0	47	59.4	56.9	Clifton	0	42	—	—
Rauceby	0	41	60.8	56.9	Greenwich	0	26	—	—	Plymouth	0	41	—	—
Norwich	0	40	—	—	Westminster	0	39	—	—	9. Armagh	0	43	59.1	56.0
Yarmouth	—	—	61.0	59.7	Kew	0	50	59.6	56.3	Markree	0	45	59.9	55.4
Lowestoft	0	42	60.3	57.5	5. Canterbury Wells	0	44	58.2	59.4	10. Dublin, Trin. Coll.	0	45	58.8	56.3
Cambridge	0	40	59.6	57.8	Tunbridge Wells	0	41	61.5	—	11. Guernsey, Brooklyn	0	44	61.2	58.9
Clacton-on-Sea	0	40	59.4	58.1	Wisley	0	41	59.7	58.2					
Southend	0	43	59.9	—	Worthing	0	43	62.2	58.4					
Tottenham	0	41	—	58.3	Portsmouth	0	45	61.8	59.0					
					6. Glasgow	0	35	—	—					
					Rothsay	—	—	—	53.9					
					Colmonell	0	43	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT	STATION.	Highest.	Lowest.	Mean.	DISTRICT	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	52	52	52.0	SCOTLAND, W.	Lamlash	56	54	54.7
	Kirkwall	53	51	51.9		Ballantrae	54	53	53.2
	Wick	51	49	50.2	ENGLAND, N.W.	Port Erin	55	52	53.2
SCOTLAND, E.	Cromarty	57	55	55.9		Newquay	60	60	60.0
	Pennan Bay	54	51	52.5	ENGLAND, S.W.	Scilly	56	53	54.8
	Aberdeen, Cove Bay	51	50	50.8		Plymouth†	57	57	57.0
ENGLAND, N.E.	Burhamouth, Berwick	51	50	50.8		Salcombe	60	54	56.8
	Scarborough	55	50	52.4	IRELAND, N.W.	Sheephaven	57	56	56.9
ENGLAND, E.	Shipwash Lightship	59	57	58.3		Teelin	64	55	57.5
ENGLAND, S.E.	Margate†	62	60	60.8	IRELAND, S.W.	Cleggan	58	53	56.0
	Eastbourne†	61	60	60.7	IRELAND, E.	Seafield	62	57	59.3

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 133-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\rightarrow$ —a heavy gale; $\rightarrow$ —a gale; $\rightarrow$ —a fresh to strong breeze; $\rightarrow$ —a light to moderate breeze; and $\odot$ —a calm. In the left-hand chart the weather is indicated as follows:—b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 26th June, 1910.

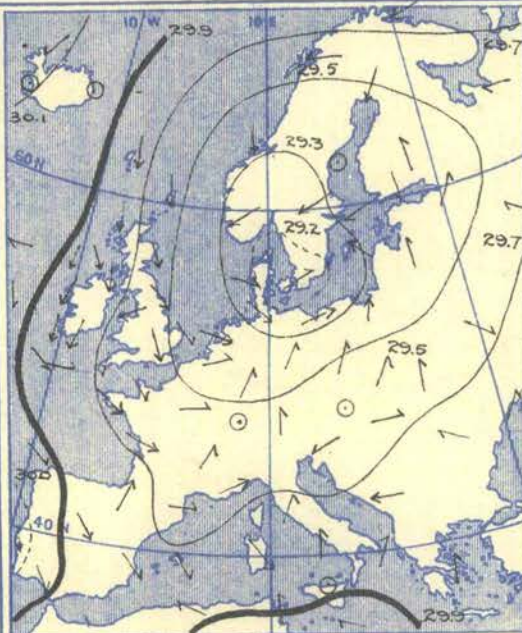
Temperature and Weather.

7 a.m.

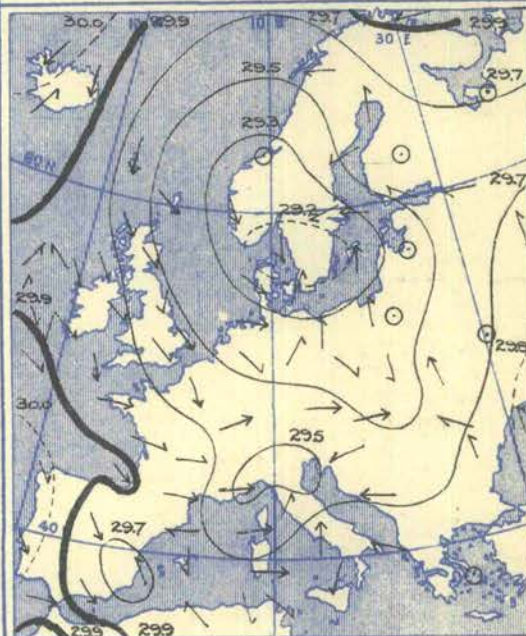


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or quite overcast in these Islands and the greater portion of western and northern Europe, with rain in places over a wide area; fair to fine and bright over the Mediterranean region and the southern parts of Russia. Some rain, generally slight, in various parts of this country later, and heavier amounts over a large part of central and northern Europe. Large quantities in Switzerland and its immediate vicinity; between 1 in. and 2 ins. in many places, and as much as 5 ins. at Lugano.

Temperature fallen over the northern and western countries. Morning readings ranging from nearly 80° at a few places in the far south, to about 50° over a considerable area in these Islands and Norway, and to 30° at Vardö. Maxima during day below 60° over the greater part of this country, and very little above 60° at any of our stations; below 70° over Germany, between 70° and 80° or above in Austria-Hungary and southern Europe, and above 90° in Algeria.

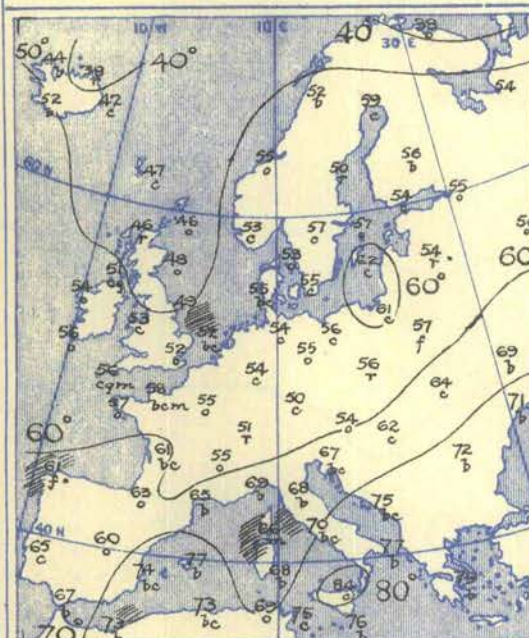
Wind in morning showing a very extensive cyclonic circulation over the United Kingdom and the northern and western regions of our area generally; Northerly current fresh to strong on some of our own coasts, and that from North-East strong at some Scandinavian stations. Not much change later, but a separate cyclonic movement of considerable strength locally setting in over northern Italy, and another over Spain.

Barometer in morning above 30.1 ins. over Iceland, and above 29.9 ins. in Portugal and at Malta; below 29.2 ins. in a large depression having its minimum over the Cattegat, and relatively low in local irregularities elsewhere. General distribution undergoing little modification during day, but a disturbance developing over the north of Italy, and also in the south-east of Spain. Gradient increasing considerably in the latter regions, but continuing moderate to slight elsewhere.

Monday, 27th June, 1910.

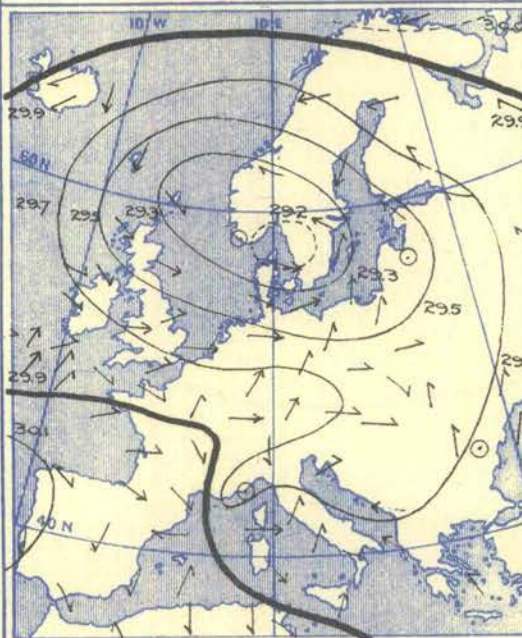
Temperature and Weather.

7 a.m.

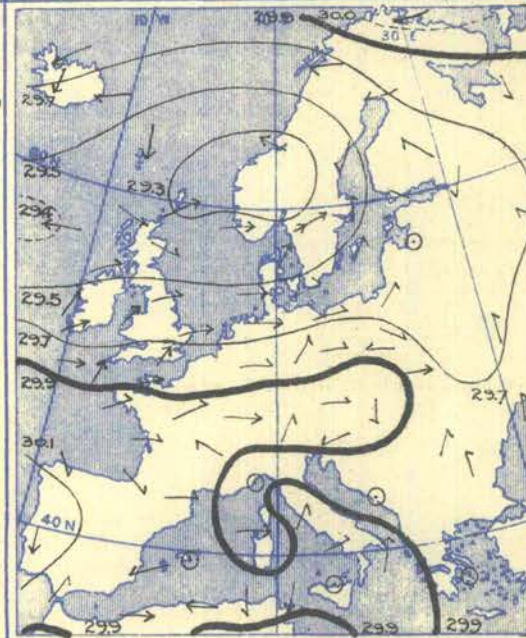


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine in places, but mainly very cloudy or overcast in these Islands and northern and central Europe, with rain in a few localities. Generally very fine and bright over southern Europe and the Mediterranean and also in the south of Russia. Showers later very frequently in the United Kingdom, and some slight falls of rain at many places over the northern half of the Continent.

Temperature risen in Scandinavia, fallen or changed little elsewhere. Morning readings ranging from 38° at Vardö, and below 50° in the north of Great Britain, and 50° at Munich to 70° in Little Russia, above 70° over the Mediterranean region and in south-eastern Europe, and to 84° at Palma. Maxima during day about 60° in many parts of this country, the Netherlands, Germany, and Austria, but between 75° and 85° over the south of our area, and above 90° in places; 98° at Bucharest, and 97° at Brindisi.

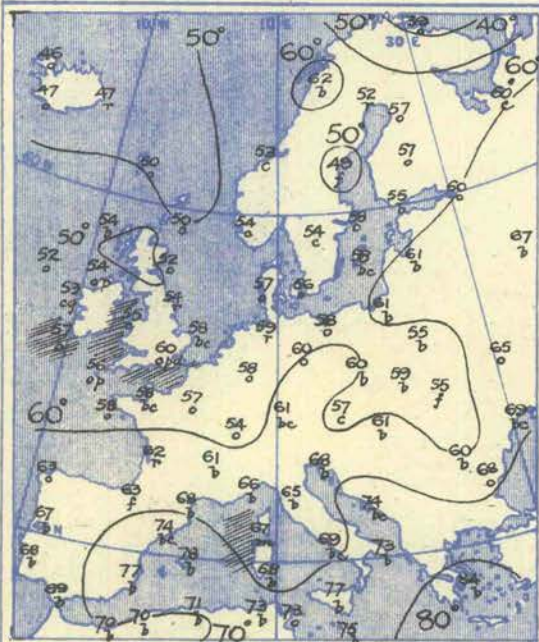
Wind in morning cyclonic over all the more northern countries and also over the greater portion of the Mediterranean; Northerly to Westerly current fresh to strong in the United Kingdom, and some fresh or strong breezes blowing on the eastern shores of the North Sea. Fresh or strong winds from various directions prevailing over Italy and its neighbourhood. Backing to West or South-West very generally by evening over England and Ireland, and continuing fresh to strong in most localities.

Barometer in morning ranging from about 30.1 ins. in Portugal, and 30.0 ins. in the extreme north of Norway, to below 29.7 ins. in the south-east of France, and to below 29.2 ins. in a very large depression having its centre over the Skager Rack. Some secondary disturbances passing eastward across these Islands later, but no great change occurring in the general distribution of pressure. Main depression moving somewhat in a north-westerly direction.

Tuesday, 28th June, 1910.

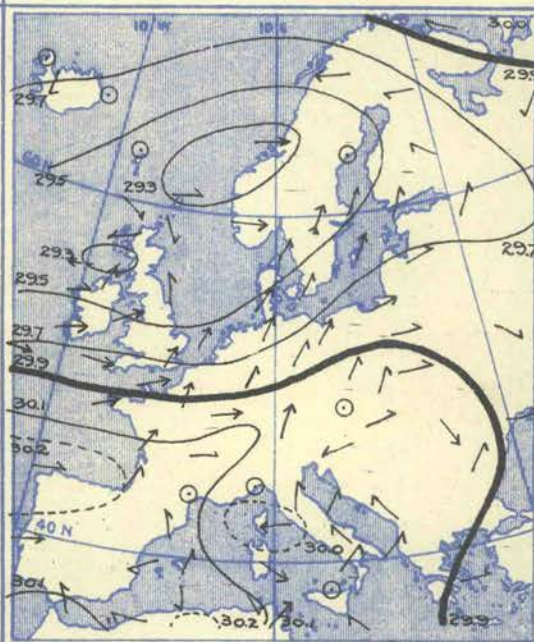
Temperature and Weather.

7 a.m.

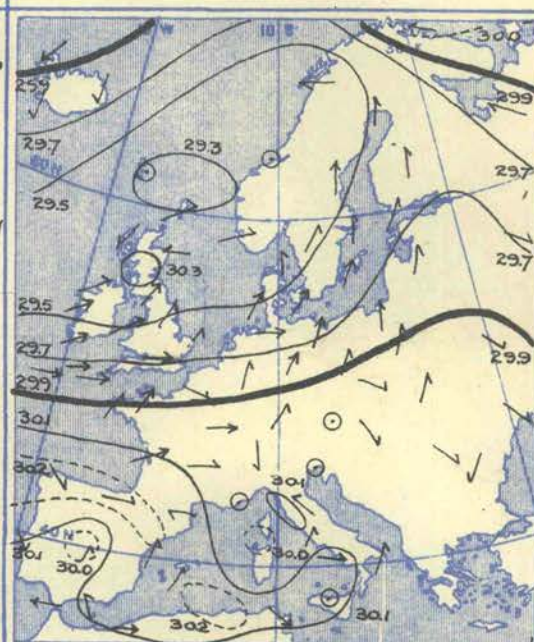


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning continuing very cloudy or overcast in the United Kingdom and the surrounding regions, with passing showers or steady rain in places; generally fair to very fine elsewhere, but dull in Finland, and rainy at Haparanda. Rain experienced later in nearly all parts of these Islands and at many stations over the northern half of the Continent, but measurements not heavy.

Temperature risen over the major portion of our area. Morning readings below 40° at Vardö, and below 50° at some Scottish stations, but about 60° in the south of England, and also in central Europe, and at Bodö and Archangel, and above 70° over a large area in the far south of Europe; highest reading, 84° at Athens. Maxima during day above 65° at several English stations, slightly above 70° at many stations in central Europe, and between 75° and 85° very generally in the south; thermometer touching 93° at Madrid and Malaga, and 91° at Stax.

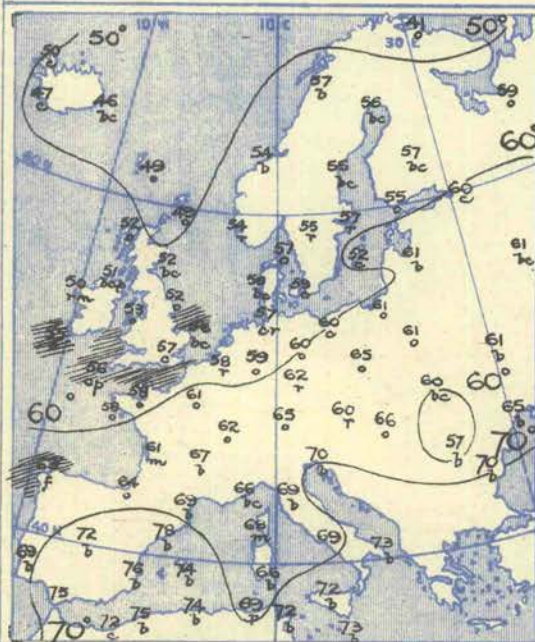
Wind in morning moderate to fresh or strong from West and South-West over Ireland and England and from South-West in the Netherlands and over the Baltic; A light to strong Northerly breeze prevailing over Iceland. A separate cyclonic circulation of little force prevalent over the Mediterranean. No great change later; veering toward West over England and the Channel, and increasing to a gale at La Hève. A gale from the South-Westward also springing up at Wisby.

Barometer in morning ranging from above 30.2 ins. in the north of Spain, to below 29.3 ins. in a depression centred over Corsica, and to below 29.3 ins. in two distinct minima—one off the north of Ireland, and the other between Norway and Shetland. Little modification occurring in the general distribution of pressure later in day, but Irish depression moving to Scotland, and some ill-defined secondaries passing across England.

Wednesday, 29th June, 1910.

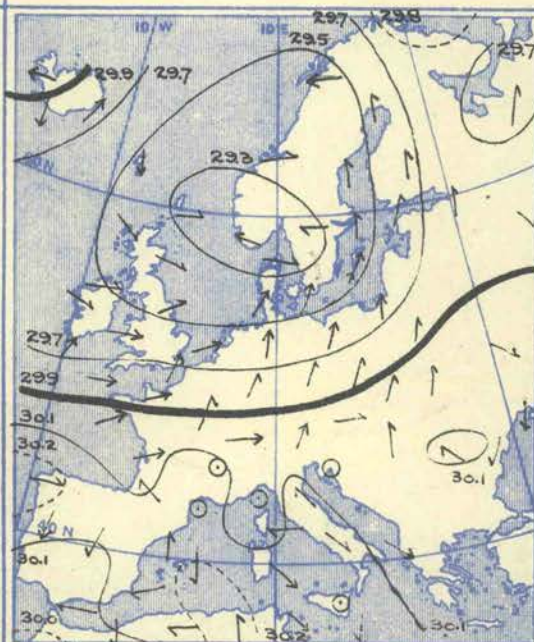
Temperature and Weather.

7 a.m.

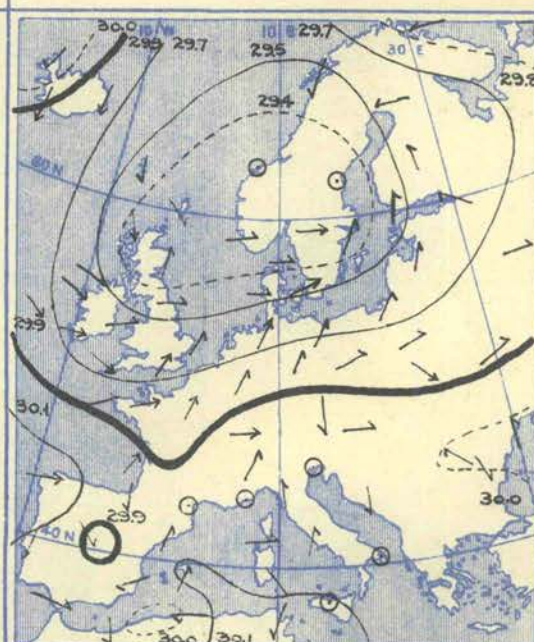


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over Russia and the southern countries of Europe, very cloudy or overcast in almost all other regions, with showers or steady rain in places over a large area. Showers over the United Kingdom later, with thunderstorms at some eastern stations; rain experienced in the western, central, and northern regions generally, with thunderstorms in some French and Swiss localities. Rain heavy, an inch or more, at some Swiss stations.

Temperature fallen slightly over this country, changed little or risen on the Continent. Morning readings ranging from 75° or above at several stations in the far south, to about 60° in Russia, central Europe, and the south-east of England, to 49° in the north-east of Scotland, and to 41° at Vardö. Remaining below 60° during day over a large portion of the United Kingdom, and below 70° in nearly all parts of Germany and the Netherlands, but rising to above 75° in the more southern countries, and to 80° or higher at a few stations; highest readings, 91° at San Fernando, and 97° at Madrid.

Wind in morning showing a cyclonic circulation over all the northern half of Europe, the Westerly current blowing strongly over England and the north of France, and that from South-West reaching a gale at Wisby. Light or moderate breezes from various directions prevailing over the Mediterranean region. No change of importance during day.

Barometer in morning above 30.2 ins. in the north-west of Spain, and above 30.1 ins. in Transylvania; below 29.3 ins. in a large depression having its minimum over the south-west of Norway, and relatively low in some ill-defined disturbances over the Mediterranean, and also in a depression over the White Sea. Little change occurring later in day in the general disposition of pressure, but some small irregularities passing over these Islands, and a well marked minimum forming over central Spain.

Thursday, 30th June, 1910.

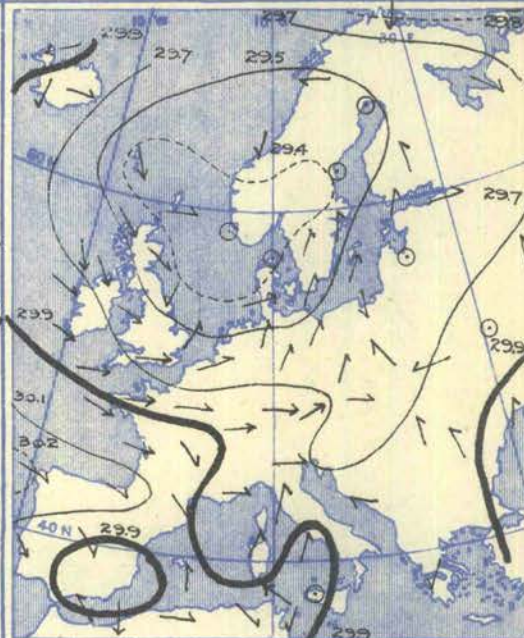
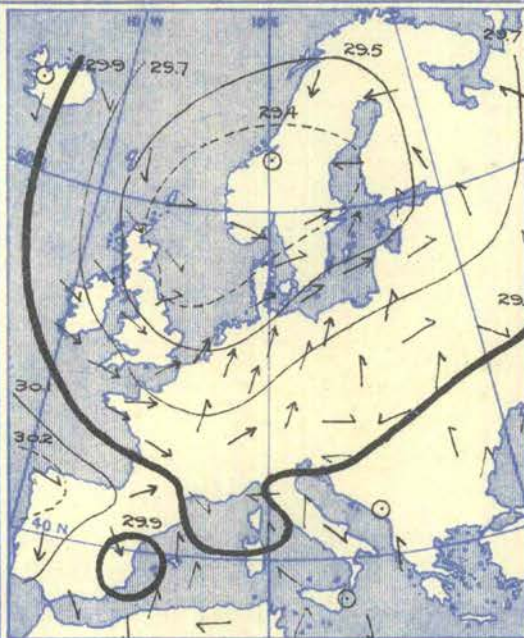
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning still very cloudy to overcast over the northern and central countries, with rain here and there, and fine in nearly all the southern and eastern parts of our area. More or less rain falling later except in the Spanish Peninsula, southern France, Italy, and Algeria, and thunderstorms occurring at some places in the east and south-east of England. Rain measurements rather heavy at several stations on the Continent—more than an inch at Lugano.

Temperature changed little and rather irregularly. Morning readings ranging from 39° at Vardø, and about 50° in Scotland, to 60° or above over the greater portion of the Continent, and to above 70° in the far south of our area. Maxima during day below 60° at many of our own stations, and below 65° over most of the Kingdom, as well as in the Netherlands and the north of France. Thermometer rising to above 70° very generally in the more southern countries, and to above 80° in several localities; highest readings, 88° at Madrid, 99° at Malaga, and 106° at Tunis.

Wind in morning still cyclonic over all the northern countries; North-Westerly to Westerly current fresh to strong over the west and south of these Islands and the north of France, and that from the South-Westward fresh to strong over Denmark. Not much change during day; veering somewhat in the south-east of England.

Barometer in morning below 29.4 ins. in a very large depression having its minimum near Shetland, and above 30.2 ins. in the north-west of Spain; below 29.9 ins. in a depression over Spain and in another system off the south of France. Some local irregularities passing over this country later, but no change taking place in the general distribution of pressure.

Friday, 1st July, 1910.

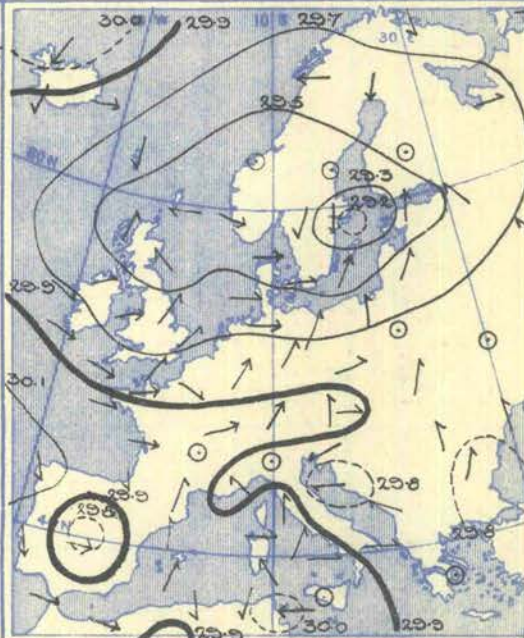
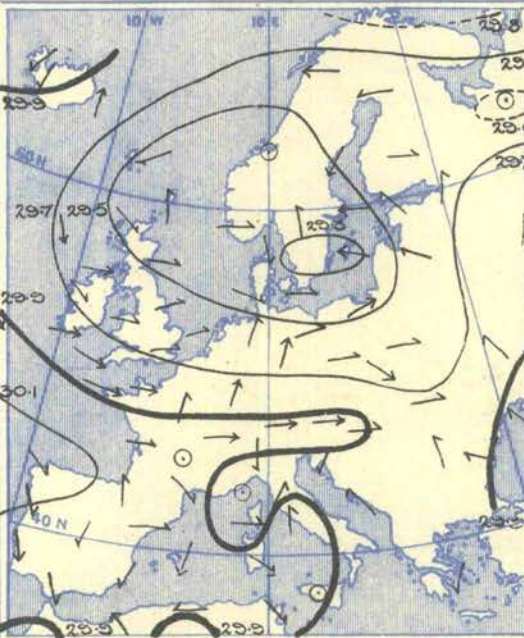
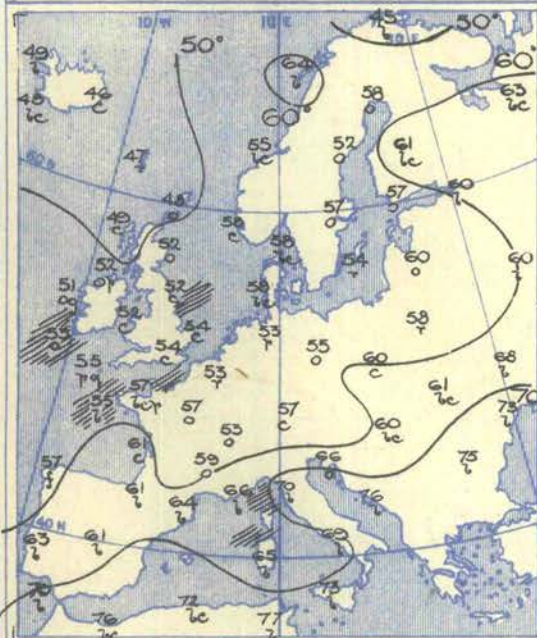
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning mainly cloudy or dull over the northern and north-western countries and also in Germany, with rain in several localities. Continuing fine and bright over the Mediterranean region and Russia. Showers experienced later throughout these Islands, with thunderstorms at some places in the south-east and east; as much as 0.84 in. of rain at Dungeness. Some rain falling at several stations over the northern half of the Continent; about 1.2 in. at Stockholm.

Temperature changed rather irregularly; continuing very low over this country. Readings in morning ranging from 45° at Vardø, and about 50° in the north of these Islands, to about 60° in the west of France and South Germany, and to above 70° in South Russia and over most of the Mediterranean. Maxima during day between 60° and 65° over this country generally, but below 60° in several localities. Thermometer rising to between 75° and 85° over a large area in the south of Europe and Algeria, and to 90° or above in places. Maximum 91° at Brindisi, Bucharest, and Tunis, and 99° at Algiers.

Wind in morning mainly cyclonic, the chief circulation still being over the northern half of our area. Westerly current fresh or strong over England and the Channel, and moderate to fresh in France. Increasing in force later over the Baltic region, as well as in some parts of France; blowing a high wind from the Westward at Belfort, and from North-West at Cape Sicé.

Barometer in morning above 30.1 ins. in the north-west of Spain, and relatively high in the extreme north-west and north of our area. Below 29.3 ins. in an extensive depression with its central portion over the south of Sweden, and relatively low in an ill-defined disturbance over Italy. Very little modification later in day in the general distribution, but some local irregularities becoming more marked over these Islands.

Saturday, 2nd July, 1910.

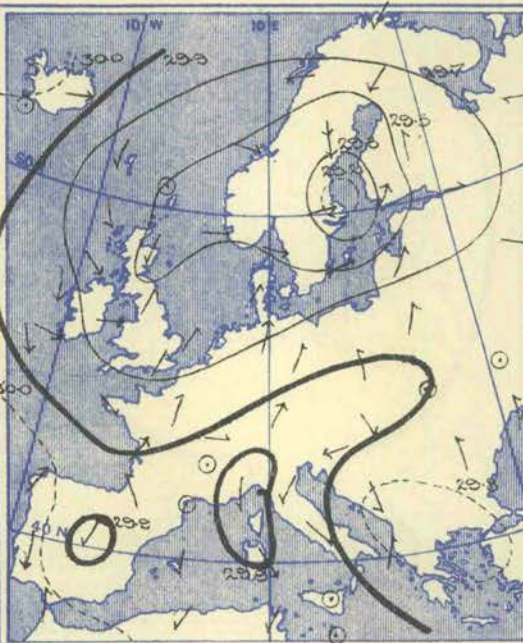
Temperature and Weather.

7 a.m.

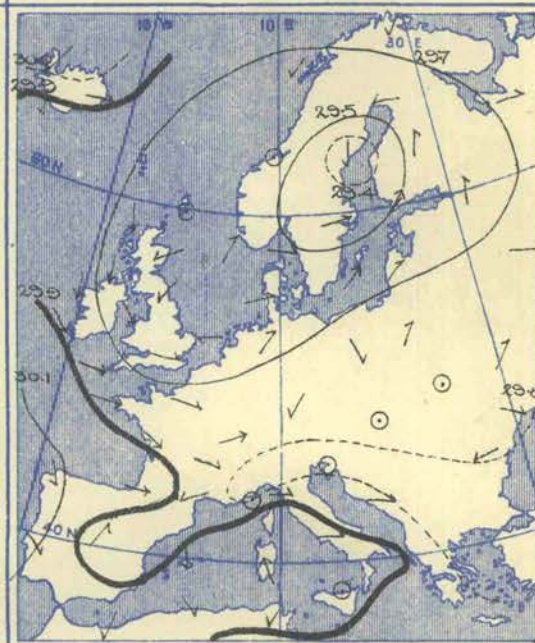


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very unsettled over these Islands and the northern half of our area generally, with much cloud in most places, and with passing showers or steady rain at several stations in this country, France, and Scandinavia, as well as at Turin and Archangel. Thunderstorms later over a very large portion of Britain, mostly in the east, and also in several parts of France. Rain falling over the greater part of our area, rather heavily in places, but weather continuing dry in the extreme south.

Temperature remaining low over the greater portion of our area. Readings at 7 a.m. below 55° at nearly all our own stations and at some in France, and below 60° over a very extensive area; about 70° in the south of Russia, 75° at Bucharest, and between 70° and 75° at many places on the shores of the Mediterranean and Adriatic. Thermometer standing at 80° at Athens. Maxima again very low over these Islands and their immediate neighbourhood, but between 70° and 80° or above at most stations over the southern half of Europe; highest value, 91° at Bucharest and Madrid.

Wind in morning light to fresh from between North-West and South-West over the United Kingdom, South-Westerly over Germany and the Baltic, with a gale at Wisby, and Northerly over the North of Sweden, with a gale at Hernösand. Light or moderate breezes from various directions prevailing over the Mediterranean region. Not much change later, but gales subsiding at Wisby and Hernösand.

Barometer in morning about 30.0 ins. in the north of Iceland, and also in Portugal and at Malta; below 29.3 ins. in a depression centred over the Gulf of Bothnia, and relatively low in other disturbances of a secondary nature over these Islands, and also in some shallow systems over the south of our area. General distribution undergoing little change during day, but main depression decreasing slightly in depth, and barometer rising slowly over the west and north of the United Kingdom.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.	Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. June 26th, 10.10 a.m. to 10.50 a.m.	Brighton, 115 m.	Temperature Humidity .. Wind ..	285° 69% 350°, 7	280° 80% 360°, 9					Metres.	{ Overcast, S. Cu. Kite became detached at 500 m. and fell in sea, but was recovered.
2	June 29th, 11.0 a.m.	Brighton, 115 m.	Temperature Humidity .. Wind ..	288.2° 88% 250°, 15							{ Half overcast, Fracto-Nb. At 180 m. above sea, kite entered wind, estimated at 24 m. per s. and broke away. Ascent abandoned.
3	July 1st, 6.20 p.m. to 7.15 p.m.	Brighton, 115 m.	Temperature Humidity .. Wind ..	286° 79% 260°, 13	284.5° 85% 280°, 13.5	283° 90% 270°, 13.5				281.5° 69% 280°, 15	{ Half overcast, Alt.-Cu., to nearly overcast. Scud at 500 m. Thunder clouds N. horizon.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3
No. of Kites ..	1	1	1
Area of Surface (sq. metres) ..	7	4.5	5.5
Length of Wire (metres) ..	1,000	—	915

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 217

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 27.
Vol. XXVII. (New Series.)

TWENTY-SEVENTH WEEK, SUNDAY, JULY 3RD, TO SATURDAY, JULY 9TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was rainy over the Kingdom generally during the earlier days of the period, but the conditions improved after the 5th, at first in the west and subsequently in the east. Thunderstorms were experienced in places over a large area in England on the 3rd, and heavy rain occurred at several western and north-western stations on the 5th.

Temperature was below the average, the difference being large in nearly all parts of England. The highest of the maxima were recorded on the 4th at most of the eastern and northern stations, and on the 9th in the west and south-west. They ranged from 76° in Ireland S. and 75° in Scotland E. and W. to 67° in England N.E. and E. and to 66° in the English Channel. During several days the maxima were very little higher than 60° over a considerable portion of Great Britain, and on some occasions below 60°. The lowest grass minima reported were 30° at Hereford and Sheffield, 31° at Llangammarch Wells, 32° at Markree Castle, and 34° at Newton Kigg and Burnley.

Mean Temperature of the Sea was lower than during the corresponding week of last year on most coasts, as much as 5° at Wick. The mean values for the week ranged from 61° at Eastbourne, 60° at Margate and Newquay, and 59° at Seafeld to 52° at Aberdeen, and to 51° at Burnmouth and Wick.

Rainfall was less than the average in Ireland, England S.W. and Scotland N., the deficit being large in the last district. Elsewhere there was an excess—very considerable in nearly all parts of England. Falls of an inch or more in 24 hours were measured at many stations in the north-west of England and in Wales, as well as at West Linton; the largest quantities reported were 1.32 inch at Aspatria, and 1.66 inch at Aberdovey. At Worthing as much as 1.19 inch fell on the 3rd.

Bright Sunshine was less than the normal in almost all parts of England, the deficit being large in the eastern, central and southern districts. In Ireland and in the east and west of Scotland there was an excess. The percentage of the possible duration ranged from 52 in Scotland W., 40 in Ireland N., and 39 in Ireland S. to 20 in England N.E., and to 15 in England E.

Barometer and Wind.—Except on the 5th, when an anticyclonic ridge extended in a northerly direction across the United Kingdom to beyond Scotland, the barometric gradient was in favour of winds from some point between N. and N.W. or W. The chief depression that came directly over these Islands was a system of increasing intensity that travelled quickly south-eastward to the east of England during the night of the 5th. It caused a considerable increase in the force of the wind from the W. and N.W. in many places. Later in the week, when an anticyclone lay off the west and north-west of these Islands, the eastern districts were under the influence of a large depression that moved eastward from Russia.

THE WEEK.

DISTRICTS OF THE BRITISH ISLES.													
For explanation of the terms "Unusual," &c., see p. 212.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.	
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Light	Moderate	Heavy	Very heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Very scanty	Very scanty	Very scanty	Very scanty	Abundant	Moderate	Moderate	Abundant	Abundant	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth. Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 5 weeks from June 5th, 1910.	Warmth ...	3 * 1	1 * 2	2 * 2	2 * 2	3 * 2	2 * 2	2 * 2	2 * 2	1 * 2	3 * 2	0 * 2	1 * 2
		0 * 2	1 * 2	3 * 2	3 * 1	4 * 1	4 * 1	1 * 2	2 * 1	2 * 1	2 * 0	3 * 1	1 * 1
	Sunshine ...	2 * 1	2 * 2	1 * 2	0 * 3	1 * 3	1 * 2	3 * 1	2 * 1	1 * 1	1 * 2	1 * 2	1 * 2

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

TWENTY-SEVENTH WEEK—July 3rd to July 9th, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
0. SCOTLAND, NORTH		68	42	59.4	47.9	53.2	- 1.3	Day-deg. 78	Day-deg. - 10	Day-deg. 0	Day-deg. 0	3	- 1	Inches. 0.34	Inches. - 0.44	29	- 2	% 23	% - 2
Eastern																			
1. SCOTLAND, EAST		75	38	61.4	47.9	54.2	- 2.1	85	- 15	0	0	3	- 1	0.67	+ 0.04	42	+ 3	35	+ 2
2. ENGLAND, N.E.		67	35	60.5	48.4	54.1	- 4.5	85	- 31	0	0	5	+ 2	1.04	+ 0.58	23	- 24	20	- 20
3. ENGLAND, EAST		67	44	60.9	49.5	54.8	- 5.7	90	- 39	0	0	6	+ 3	1.27	+ 0.85	17	- 35	15	- 31
4. MIDLAND COUNTIES		73	42	62.6	49.6	55.7	- 4.2	96	- 30	0	0	3	0	1.02	+ 0.55	26	- 21	23	- 18
5. ENGLAND, S.E.		69	40	63.0	50.6	56.3	- 4.7	100	- 33	0	0	4	+ 2	0.96	+ 0.46	26	- 27	23	- 24
Western																			
6. SCOTLAND, WEST		75	40	63.7	47.8	55.2	- 1.9	92	- 13	0	0	2	- 2	0.81	+ 0.02	62	+ 20	52	+ 17
7. ENGLAND, N.W.		71	42	61.9	50.2	55.7	- 3.0	96	- 21	0	0	3	0	1.18	+ 0.60	44	- 1	38	0
8. ENGLAND, S.W.		73	39	62.8	50.9	56.4	- 3.0	101	- 21	0	0	2	- 1	0.49	- 0.04	42	- 7	37	- 6
9. IRELAND, NORTH		71	37	60.7	49.0	54.4	- 3.0	87	- 21	0	0	2	- 2	0.59	- 0.04	47	+ 13	40	+ 11
10. IRELAND, SOUTH		76	45	64.1	50.6	56.9	- 1.9	104	- 14	0	0	3	- 1	0.46	- 0.14	45	+ 7	39	+ 6
11. ENGLISH CHANNEL		66	50	62.6	54.0	58.0	- 2.6	112	- 19	0	0	2	- 1	0.49	+ 0.04	42	- 18	37	- 16
THE SEASON (Summer).—Aggregates, &c., for the Period of 5 Weeks, June 5th to July 9th, 1910.																			
0. SCOTLAND, NORTH		78	34	*	*	*	*	410	+ 16	0	- 2	16	- 3	2.24	- 1.14	181	+ 6	29	+ 1
Eastern																			
1. SCOTLAND, EAST		79	30	*	*	*	*	421	- 22	0	- 1	18	+ 2	2.19	- 0.48	212	+ 4	35	+ 1
2. ENGLAND, N.E.		81	37	*	*	*	*	491	+ 1	0	0	17	+ 3	2.60	+ 0.43	193	- 30	33	- 5
3. ENGLAND, EAST		83	39	*	*	*	*	549	- 6	0	0	19	+ 5	3.56	+ 1.28	200	- 44	35	- 8
4. MIDLAND COUNTIES		83	40	*	*	*	*	551	+ 1	0	0	18	+ 4	3.91	+ 1.54	183	- 38	32	- 7
5. ENGLAND, S.E.		81	39	*	*	*	*	578	- 6	0	0	19	+ 6	3.83	+ 1.69	207	- 43	36	- 8
Western																			
6. SCOTLAND, WEST		78	37	*	*	*	*	498	+ 16	0	0	14	- 3	2.95	- 0.50	253	+ 24	42	+ 6
7. ENGLAND, N.W.		81	40	*	*	*	*	526	+ 5	0	0	16	0	3.84	+ 1.18	226	- 3	39	0
8. ENGLAND, S.W.		81	34	*	*	*	*	522	- 26	0	0	17	+ 2	3.98	+ 1.36	216	- 26	38	- 5
9. IRELAND, NORTH		75	37	*	*	*	*	472	- 12	0	0	20	+ 1	4.37	+ 1.28	183	- 8	31	- 1
10. IRELAND, SOUTH		76	41	*	*	*	*	527	- 9	0	0	21	+ 4	4.23	+ 1.29	194	- 16	34	- 3
11. ENGLISH CHANNEL		79	47	*	*	*	*	564	- 15	0	0	16	0	3.14	+ 1.03	244	- 44	44	- 8
THE YEAR.—Aggregates, &c., for the Period of 27 Weeks, January 2nd to July 9th, 1910.																			
0. SCOTLAND, NORTH		78	2	*	*	*	*	863	+ 21	595	+ 38	128	+ 5	26.85	+ 2.63	721	+ 51	30	+ 2
Eastern																			
1. SCOTLAND, EAST		79	-10	*	*	*	*	933	- 41	636	+ 16	109	+ 9	14.77	+ 0.84	808	+ 32	33	+ 1
2. ENGLAND, N.E.		81	6	*	*	*	*	1129	+ 37	454	- 21	104	+ 13	12.09	+ 1.44	792	- 33	33	- 1
3. ENGLAND, EAST		83	17	*	*	*	*	1315	+ 69	393	- 123	105	+ 16	13.87	+ 3.27	899	+ 20	38	+ 1
4. MIDLAND COUNTIES		83	10	*	*	*	*	1306	+ 37	474	- 59	107	+ 19	14.05	+ 1.97	807	+ 19	34	+ 1
5. ENGLAND, S.E.		81	13	*	*	*	*	1379	+ 28	294	- 87	109	+ 25	15.58	+ 3.83	910	+ 29	38	+ 1
Western																			
6. SCOTLAND, WEST		78	0	*	*	*	*	1116	+ 42	432	+ 7	116	+ 10	22.42	+ 1.15	827	+ 35	34	+ 1
7. ENGLAND, N.W.		81	7	*	*	*	*	1186	+ 41	338	- 48	120	+ 23	19.37	+ 4.42	854	+ 54	36	+ 2
8. ENGLAND, S.W.		81	8	*	*	*	*	1294	- 19	242	- 59	113	+ 18	19.86	+ 3.16	911	+ 32	38	+ 1
9. IRELAND, NORTH		75	7	*	*	*	*	1125	- 19	351	+ 6	131	+ 17	21.08	+ 4.03	722	- 29	30	- 1
10. IRELAND, SOUTH		78	18	*	*	*	*	1345	- 10	258	- 1	132	+ 29	22.72	+ 4.26	789	- 43	33	- 2
11. ENGLISH CHANNEL		79	28	*	*	*	*	1497	- 1	54	- 55	110	+ 7	17.55	+ 3.52	1015	- 36	42	- 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *sa* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.											
						Day	Day	Day											
0. SCOTLAND, N.	a, Islands.	p Balta Sound	S 56	4th, 6th	48	55.0	49.0	51.8	—	69	0	0.02	—	19.2	—	20	—	Balta Sound.	
		a Sumburgh Head	57	3rd, 7th	45	55.1	46.9	50.7	—	61	0	0.05	—	25.5	—	20	—	Deerness.	
		a Stornoway	59	6th	46	56.6	48.4	52.2	—	71	0	0.17	—	13.3	—	11	—	Stornoway.	
		a Castlebay, Barra Isd.	66	9th	49	57.7	49.6	53.4	—	80	0	0.33	—	45.5	—	37	—	Castlebay.	
	b, Main-land.	a Wick	62	3rd	46	57.4	46.6	51.6	—	67	0	0.08	—	0.46	—	31	—	Strathpeffer.	
		p Strathpeffer	64	4th, 9th	47	61.4	49.1	54.8	—	90	0	0.04	—	0.07	—	31	—	Strathpeffer.	
		p Glencarron	68	9th	44	60.7	46.8	53.3	—	79	0	0.27	—	0.84	—	31	—	Fort Augustus.	
		p Fort Augustus	68	4th	42	61.9	48.3	54.6	—	88	0	0.61	—	0.02	—	31	—	Fort Augustus.	
		p Fort William	68	9th	45	63.9	48.1	55.5	—	95	0	0.48	—	0.52	—	31	—	Fort William.	
		p Gordon Castle	64	3rd	46	58.9	47.6	52.3	—	76	0	0.34	—	0.26	—	25	—	Gordon Castle.	
1. SCOTLAND, E.		a Nairn	65	4th	48	58.9	49.6	53.9	—	83	0	0.57	—	0.07	—	25	—	Nairn.	
		a Aberdeen	64	4th	46	60.0	48.7	54.0	—	84	0	0.02	—	0.52	—	37	—	Aberdeen.	
		a Balmoral	66	5th	40	62.0	45.9	53.4	—	80	3	0.49	—	0.05	—	30	—	Crathes S.	
		p Crieff	75	4th	43	67.0	47.3	56.5	—	102	0	1.10	—	0.44	—	44	—	Balmoral.	
		a Leith	70	4th	44	62.6	50.9	56.3	—	100	0	1.10	—	0.57	—	44	—	Edinburgh.	
		a West Linton	67	4th	38	61.8	45.6	53.1	—	78	0	1.13	—	54.7	—	46	—	West Linton.	
		p Marchmont	65	4th	42	60.0	47.9	53.5	—	81	0	0.64	—	0.01	—	39	—	Marchmont.	
		a Alnwick Castle	61	3, 5, 7th	44	59.4	48.2	53.4	—	80	0	0.40	—	0.15	—	22	—	Cockle Park.	
	a, North.	a Shields	61	3rd	45	58.9	47.4	52.8	—	76	0	0.47	—	0.03	—	15	—	Newcastle.	
		p Durham	62	4, 5, 7th	41	61.0	46.4	53.2	—	78	0	1.01	—	0.45	—	25	—	Durham.	
2. ENGLAND, N.E.		p Rounton	63	5th	38	58.8	45.8	51.9	—	69	0	1.35	—	0.83	—	19	—	Rounton.	
		p Scarborough	64	6th, 8th	49	62.6	50.4	56.1	—	99	0	0.69	—	0.21	—	22	—	Scarborough.	
	b, South.	a Spurn Head	65	5th	44	62.4	48.9	55.2	—	92	0	1.29	—	0.77	—	23	—	Spurn Head.	
		a Lincoln	67	3rd, 4th	50	62.4	51.6	54.6	—	88	0	1.47	—	1.11	—	19	—	Lincoln.	
		a Fulbeck	67	4th	43	61.5	48.9	54.8	—	90	0	1.31	—	0.84	—	19	—	Fulbeck.	
		p Cromer	61	3, 4, 5th	45	58.9	49.7	54.0	—	84	0	1.70	—	1.43	—	12	—	Cromer.	
	a, North.	p Hillington	67	4th	44	60.9	48.4	54.2	—	85	0	1.86	—	1.29	—	16	—	Hillington.	
		a Yarmouth	62	4th	44	58.9	49.6	53.9	—	83	0	1.32	—	0.82	—	13	—	Yarmouth.	
		a Norwich	63	4th, 5th	46	59.6	50.3	54.6	—	86	0	1.54	—	1.08	—	9	—	Norwich.	
		p Geldeston	65	4th	46	60.5	49.2	55.2	—	92	0	0.91	—	0.41	—	17	—	Geldeston.	
3. ENGLAND, E.		p Cambridge	66	4th	46	62.1	49.2	55.2	—	97	0	1.32	—	0.73	—	15	—	Cambridge.	
		a Felixstowe	67	4th	47	62.0	50.4	55.4	—	94	0	1.01	—	0.73	—	13	—	Felixstowe.	
	b, South.	a Clacton-on-Sea	66	4th	46	62.0	49.6	54.5	—	94	0	1.01	—	0.73	—	13	—	Clacton.	
		a Rothamsted	64	4th, 5th	47	61.4	49.1	54.5	—	88	0	0.85	—	0.32	—	20	—	Rothamsted.	
		a Shoeburyness	64	5th	47	61.4	50.4	55.5	—	95	0	0.78	—	0.33	—	21	—	Shoeburyness.	
		p Tottenham	67	5th, 7th	48	64.7	50.6	57.2	—	106	0	0.72	—	0.21	—	19	—	Tottenham.	
		a Harrogate	64	4th	43	59.9	47.5	53.3	—	79	0	1.38	—	0.84	—	20	—	Harrogate.	
		a Bawtry	65	4th	44	62.0	49.4	55.3	—	93	0	1.08	—	0.61	—	18	—	Bawtry.	
	a, East.	p Buxton	67	9th	41	58.8	47.6	52.8	—	76	0	1.45	—	0.67	—	24	—	Buxton.	
		a Nottingham	65	4th	45	61.6	50.1	55.5	—	95	0	1.13	—	0.68	—	24	—	Nottingham.	
4. MIDLAND COUNTIES.		p Birmingham, Edgban	66	9th	47	61.2	50.5	55.5	—	95	0	1.20	—	0.70	—	18	—	Birmingham.	
		a Raunds	66	4th	43	62.5	47.0	54.2	—	85	0	0.80	—	0.30	—	20	—	Raunds.	
		a Oxford	68	4th	46	62.0	50.6	55.9	—	97	0	0.85	—	0.31	—	22	—	Oxford.	
		a Cheddle	68	5th, 9th	42	60.1	47.7	53.5	—	81	0	1.27	—	0.67	—	22	—	Cheddle.	
	b, West.	p Shrewsbury	72	9th	47	63.7	50.7	56.8	—	104	0	0.96	—	0.64	—	25	—	Shrewsbury.	
		a Hereford	73	9th	43	65.0	49.9	56.9	—	104	0	1.46	—	0.90	—	25	—	Hereford.	
		a Cirencester	72	9th	45	65.7	49.6	57.1	—	116	0	1.46	—	0.90	—	25	—	Cirencester.	
		a Bath	70	9th	46	65.0	52.7	58.4	—	112	0	0.50	—	0.06	—	32	—	Bath.	
		p Kew	66	4th, 5th	48	62.0	51.5	56.4	—	101	0	1.01	—	0.50	—	18	—	Kew.	
		a Marlborough	67	4th	40	63.5	47.5	54.9	—	99	0	0.84	—	0.26	—	23	—	Marlborough.	
5. ENGLAND, S.E.		a Margate	66	4th, 5th	48	61.9	52.0	56.6	—	102	0	1.00	—	0.56	—	21	—	Margate.	
		a Wisley, Surrey	66	4th	45	61.9	50.4	55.8	—	97	0	1.39	—	0.81	—	24	—	Wisley.	
		a Swanton	66	4th	44	62.5	50.9	56.3	—	100	0	0.58	—	0.06	—	24	—	Swanton.	
		a Tunbridge Wells	65	4th, 6th	45	61.6	48.4	54.5	—	88	0	0.86	—	0.36	—	22	—	Tunbridge Wells.	
		a Dungeness	69	6th	47	64.4	49.3	56.3	—	100	0	1.05	—	0.67	—	22	—	Dungeness.	
		p Hastings	67	6th	47	62.1	50.4	55.8	—	97	0	0.80	—	0.34	—	23	—	Hastings.	
		p Southampton	68	4th, 5th	47	65.9	52.4	58.7	—	117	0	0.52	—	0.02	—	29	—	Southampton.	
		a Ventnor	68	4th	48	63.8	52.7	57.9	—	111	0	0.49	—	0.02	—	29	—	Ventnor.	
		a Eastbourne	68	4th	48	63.8	52.7	57.9	—	111	0	0.49	—	0.02	—	29	—	Eastbourne.	
	6. SCOTLAND, W.		a Westminister	66	4th	49	63.0	51.8	56.7	—	103	0	0.77	—	0.27	—	16	—	Westminister.
		a Greenock	67	4th, 5th	48	63.7	50.9	56.9	—	104	0	1.25	—	0.75	—	16	—	Greenock.	
		a Poltalloch	70	9th	43	63.6	46.3	54.4	—	87	0	0.57	—	0.26	—	33	—	Poltalloch.	
		p Glasgow	73	9th	45	65.1	48.8	56.4	—	101	0	0.75	—	0.09	—	49	—	Glasgow.	
		p Rothesay	75	9th	48	65.1	49.7	56.9	—	104	0	0.73	—	0.08	—	45	—	Rothesay.	
		a Kilmarnock	72	9th	40	64.4	44.6	53.8	—	83	0	0.69	—	0.31	—	37	—	Kilmarnock.	
		a Colmonell	67	5th	41	63.1	47.4	54.7	—	91	0	0.75	—	0.09	—	37	—	Colmonell.	
		p Dumfries	70	8th, 9th	44	64.6	48.6	56.0	—	98	0	1.38	—	0.73	—	37	—	Dumfries.	
b, ISLE OF MAN		p Cally, Gatehouse	65	9th	47	59.9	48.9	54.0	—	84	0	0.77	—	0.13	—	74	—	Cally, Gatehouse.	
		p Douglas	65	9th	47	59.9													

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Balta Sound	—	—	54.0	—	Harrogate	0	38	55.2	54.3	6. Dumfries	0	41	59.4	57.0
1. Aberdeen	—	—	—	51.9	Huddersfield	0	38	57.3	53.6	Douglas	0	43	—	—
Crathes	0	37	56.7	53.2	Buxton	0	36	56.3	52.7	Aspatia	0	38	58.1	53.3
Balmoral	0	36	—	—	Sheffield	1	30	56.3	53.7	Newton Rigg	0	34	57.8	54.4
West Linton	0	34	—	—	Nottingham	0	40	57.4	56.2	Burnley	0	34	55.1	52.5
Marchmont	0	42	57.1	—	Birmingham	0	42	52.8	51.0	Southport	0	38	60.6	58.8
Cockle Park	0	39	55.2	54.0	Oxford	0	—	—	—	Manchester City	0	41	56.9	56.2
Durham	0	35	—	—	Hereford	1	30	—	—	Bettws-y-Coed	0	43	56.0	54.0
York	—	—	57.1	55.0	Gloucester	0	—	—	—	Llangammarch Wells	0	31	56.5	53.2
Hull	0	43	57.7	54.0	Bath	—	—	61.0	58.9	Cardiff	0	44	58.6	56.4
Lincoln	—	—	56.9	54.8	Margate	0	47	59.3	56.9	Clifton	0	40	—	—
Rauceby	0	44	60.0	56.4	Greenwich	0	40	—	—	Plymouth	0	40	—	—
Norwich	0	41	—	—	Westminster	0	45	—	—	Armagh	0	37	58.8	55.9
Yarmouth	—	—	59.4	59.0	Kew	0	41	59.1	56.5	Markree	0	32	59.6	55.5
Lowestoft	0	44	59.1	57.4	Canterbury	0	46	57.7	56.5	10. Dublin, Trin. Coll. ..	0	41	58.7	56.1
Cambridge	0	41	58.9	57.4	Tunbridge Wells	0	39	60.8	—	11. Guernsey, Brooklyn ..	0	44	61.0	58.9
Clacton-on-Sea	0	39	58.2	57.6	Witley	0	41	59.4	57.8					
Southend	0	45	59.4	—	Worthing	0	44	61.3	58.4					
Tottenham	0	46	—	58.0	Portsmouth	0	44	60.6	58.7					
					6. Glasgow	0	36	—	—					
					Rotherham	—	—	—	53.8					
					Colmonell	0	37	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	53	52	52.5	SCOTLAND, W.	Lamlash	57	54	54.4
	Kirkwall	53	52	52.4		Ballastra	54	53	53.2
	Wick	52	51	51.1	ENGLAND, N.W.	Port Erin	58	53	54.9
SCOTLAND, E.	Cromarty	57	55	56.6		Newquay	61	60	60.4
	Pennan Bay	54	51	52.7	ENGLAND, S.W.	Scilly	58	54	55.4
	Aberdeen, Cove Bay	53	51	51.9		Plymouth	57	57	56.8
ENGLAND, N.E.	Burnmouth, Berwick	52	51	51.3		Salcombe	56	54	54.6
	Scarborough	55	52	53.3	IRELAND, N.W.	Sheephaven	56	56	56.0
ENGLAND, E.	Shipwash Lightship	60	58	58.8		Teelin	59	54	56.9
ENGLAND, S.E.	Margate	61	59	60.0	IRELAND, S.W.	Cleggan	60	52	55.9
	Eastbourne	61	60	60.7	IRELAND, E.	Seafield	62	57	59.0

† Only one observation each day.

Registering Balloon Ascents of May 18th and 19th, 1910.

For particulars of other ascents made about the time of transit of the tail of Halley's Comet on May 18th to 20th, see page 188.

Height kms.	1 Ditcham Park, Petersfield. May 18th. 6.28 a.m.		2 Ditcham Park, Petersfield. May 18th. 9.23 p.m.		3 Manchester. May 18th. 9.40 p.m.		4 Manchester. May 19th. 2.10 a.m.		5 Ditcham Park, Petersfield. May 19th. 2.15 a.m.		6 Manchester, May 19th. 7.15 p.m.		7 Ditcham Park, Petersfield, May 19th. 8.27 p.m.		Height kms.
	Pressure	Temperature.	Pressure.	Temp.	Pressure.	Temperature.	Pressure.	Temperature.	Pressure.	Temp.	Pressure.	Temperature.	Pressure.	Temperature.	
	Mgd.	A°	Mgd.	A°	Mgd.	A°	Mgd.	A°	Mgd.	A°	Mgd.	A°	Mgd.	A°	
Ground	987	284	989	284	1005	286.5	1005	284	985	284	1003	284	996	288.5	Ground
0.5	947	283 281.5	947	284	946	281.5	—	—	947	283	946	285	947	288	0.5
1.0	892	280.5 278	893	281	893	278.5	—	—	887	280.5 277.5	887	280.5 284.5	893	283.5	1.0
1.5	839	276.5 276	840	278	834	275.5	—	—	834	275 273.5	834	275.5 277.5	841	281	1.5
2.0	787	272	790	275	787	273	—	—	786	272 270	781	271 274	794	278	2.0
2.5	740	269.5	742	272	739	269.5	—	—	736	268.5 267	731	267.5 269	747	275	2.5
3.0	694	267	697	269.5	700	266.5	—	—	692	266 264	688	265 268	700	272	3.0
3.5	653	264.5	653	266.5	652	264	653	261	648	262 261.5	643	262.5 265	657	272	3.5
4.0	613	262	613	262	607	263.5 261	625	258	608	260 259	600	262 264	616	266	4.0
4.5	573	259	576	259.5	565	260.5 259	570	255	568	256	562	258 259	580	263	4.5
5.0	536	255	540	256	530	255.5	534	252	532	253	527	255.5	544	260	5.0
5.5	500	252 251	504	255	497	252 249.5	503	248.5	496	250	491	253 254	507	256.5	5.5
6.0	470	248.5 247	471	249.5	465	248.5 246	469	244.5	464	247	458	250.5 252	476	253	6.0
6.5	439	245.5 243.5	440	245	434	244.5 240.5	437	241.5	434	243	430	244 247	444	248	6.5
7.0	409	242.5 240	411	240.5	405	240 236	411	237.5	405	238.5	400	241.5 244	414	244.5	7.0
7.5	381	238 237	381	236	376	235.5 232	383	233.5	376	234	371	236 239.5	387	240.5	7.5
8.0	355	234	355	231.5	351	232 229	347	231	350	229.5	346	231.5 234	360	236.5	8.0
8.5	330	230	329	227	323	228 226	320	226.5	325	225	325	227.5 229.5	333	233	8.5
9.0	307	226	306	222	302	221.5	305	221.5	301	220	300	223 224.5	311	228	9.0
9.5	283	223	283	218	277	218.5	280	216.5	280	215	279	218.5 220.5	288	223	9.5
10.0	261	221	262	214	258	217	259	212.5	258	212	257	214 217	268	219	10.0
11.0	230	221.5	224	220	220	217	224	218	221	216	220	215 217.5	230	221	11.0
12.0	192	223	192	221	190	218.5	190	218	190	218	187	214.5 215.5	196	213.5	12.0
13.0	164	223	163	221	163	217.5	163	217.5	163	218	160	215.5 217	167	217	13.0
14.0	141	222	133	215.5	133	215.5	133	218	138	218	138	216 217.5	142	217.5	14.0
15.0	121	223	119	215	119	215	119	218	119	218	119	216.5	121	217	15.0
16.0	105	224	109	215	109	215	109	218	101	218	101	218	101	217	16.0
17.0	89	226.5	—	—	—	—	—	—	—	—	—	—	—	—	17.0
18.0	76	227.5	—	—	—	—	—	—	—	—	—	—	—	—	18.0

1.—Balloon fell at Wootton Rivers, Marlborough, distant 72 km., direction 311°. Mean Temperature Gradient (Ground to 10 km.) 0.63° per 100 metres. Fair trace. Lowest temperature 220.5 at 10.4 km. Greatest Height 18.9 km. Fog, and very light south wind. 2.—Balloon fell at Kidlington, Oxon., distant 100 km., direction 346°. Mean Temperature Gradient (Ground to 10 km.) 0.71° per 100 metres. Pressures and heights rather doubtful owing to leak in aneroid box. Lowest temperature 214°; greatest height 13.8 km. Inversion of 1°C from ground to 0.5 km. Wind East. Lunar halo. 3.—Balloon fell at N. Stainmore, Kirby Stephen, distant 102 km., direction 356°. Mean Temperature Gradient (Ground to 7 km.) 0.70° per 100 metres. 4.—Balloon fell at Cantley, near Wolfhall, Saverne, distant 67.5 km., direction 312°. Mean Temperature Gradient (Ground to 10 km.) 0.74° per 100 metres. Greatest Height 12.5 km.; Pr. = 175; Temperature = 218°. 5.—Balloon fell at the lines cross three times. Lowest temperature on one trace 210°, on the other 212° both at 10 km., greatest height 16.2 km. Cloudy, distant lightning; heavy rain began at 2.45 a.m. 6.—Balloon fell at Eskdalemuir, Langholm, Dumfriesshire, distant 180 km., direction 345°. Mean Temperature Gradient (Ground to 7 km.) 0.60° per 100 metres. 7.—Balloon fell at Witton, near Birmingham, distant 190 km., direction 340°. Mean Temperature Gradient (Ground to 10 km.) 0.72° per 100 metres. Up trace taken, as instrument seems to have received a jerk when balloon burst which shifted temperature zero. Wind East.

Sunday, 3rd July, 1910.

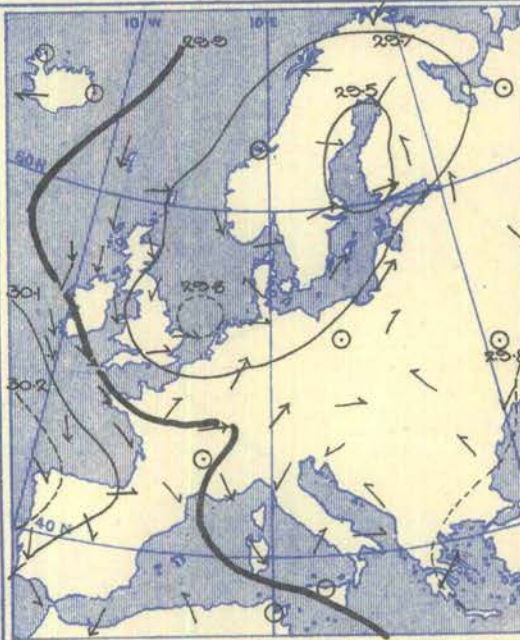
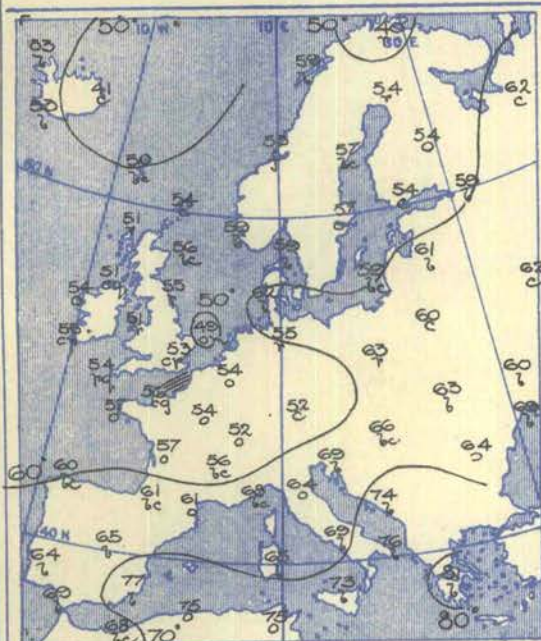
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning very unsettled, with rain in many places, over these Islands and their neighbourhood; a thunderstorm prevailing at the Helder. Much cloud and some rain in central Europe, and also in the far north of our area. Generally fair to very fine over the Mediterranean region. Rain later almost all over this country, with thunderstorms in several localities, and similar conditions prevailing in a considerable portion of France. More or less rain experienced over the greater part of the Continent, most in the central regions.

Temperature remaining very low over these Islands and their immediate vicinity. Morning readings only 49° at Great Yarmouth, and below 55° at most of our other stations, in the north of France, and the Netherlands; above 60° over Russia, and above 70° over a large area in the south of Europe; highest value, 81° at Athens. Maxima during day below 60° or very little above it in this country, and below 65° in the north and north-east of France. Above 70° very generally in central Europe, and above 80° at many stations in the south; thermometer touching 91° at Barcelona and Athens.

Wind in morning cyclonic except in the extreme south-west of our area. Northerly to Westerly current fresh or strong in the west and south of these Islands, and that from the South-Westward strong over the Gulf of Finland and at Wisby; scarcely any other locality reporting a greater force than a moderate breeze. Veering towards North later in the south of England, but no change of a general character occurring. Increasing in force at some stations in the south of our area, and blowing a gale from South-West at Lesina.

Barometer in morning ranging from above 30.2 ins. in the north-west of Spain, to below 29.7 ins. in a minimum centred between the east of England and Holland, and to below 29.5 ins. in another over the Gulf of Bothnia. Little modification taking place during day in the general distribution of pressure, but a local minimum forming in the south-east of France. Pressure increasing slowly over these Islands.

Monday, 4th July, 1910.

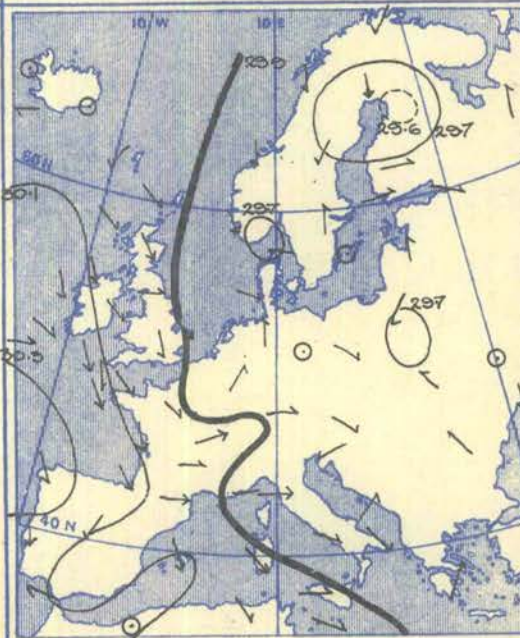
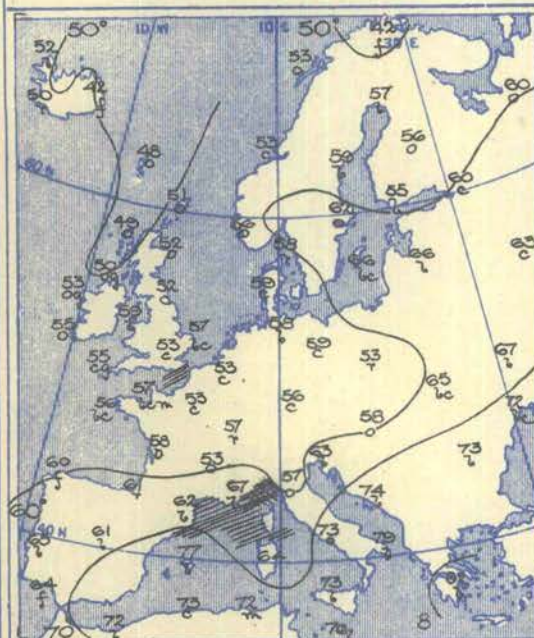
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine over the greater portion of these Islands and at most places in southern Europe, but overcast in some localities. Cloudy or dull in central Europe, with rain at Breslau and Cracow; rain also falling at Skagen, Flushing and Biarritz. Some rain later in the west and north of this country and over a wide area on the Continent, with thunderstorms in various parts of France; about an inch of rain at Neu-Fahrwasser and Lemberg, and nearly an inch at Wisby.

Temperature showing no decided change; Morning readings ranging from 82° at Athens, and above 70° in the south generally, to below 55° in most parts of the United Kingdom, to 49° at Wick, and to 48° at Vardø. Thermometer between 60° and 70° over the whole of Russia. Rising during day to 70° at Leith, and to nearly 70° at some English stations, but remaining below 60° at many places in the west and north-west. Readings as high as 95° at Athens, 90° at Petras, and 88° at Bucharest, but many maxima in southern Europe below 75°.

Wind in morning mainly North-Westerly over these Islands, France, and the North Sea region and light or moderate in force. Partial or complete cyclonic circulations of little strength prevailing elsewhere, but a strong breeze reported from some stations on the shores of the Mediterranean. Wind backing to South at Valencia, Ireland, by evening, and to West in the west of England. No important change elsewhere, but some increase of force taking place on the south coast of France.

Barometer in morning ranging from above 30.3 ins. in the north-west of Spain, to below 29.6 ins. in a depression centred over the north of Finland; relatively low in some other minima over the Continent. Pressure beginning to decrease again in the west of Ireland by evening and also in Iceland, but little change occurring in the general distribution of pressure.

Tuesday, 5th July, 1910.

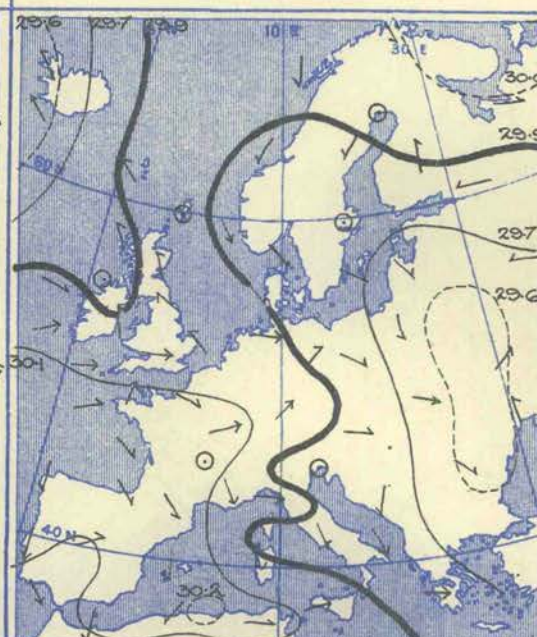
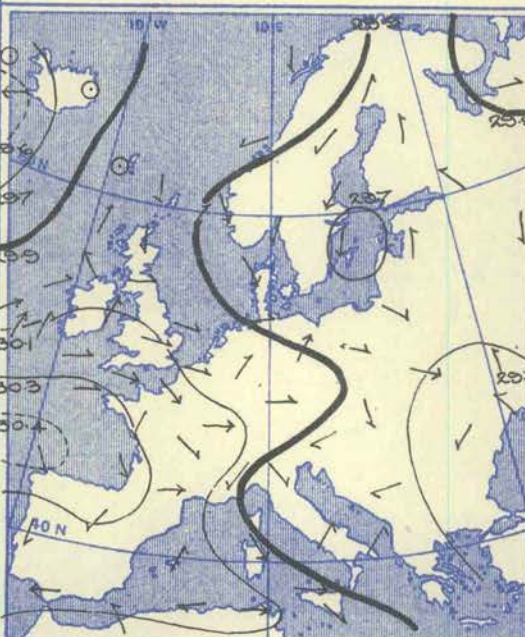
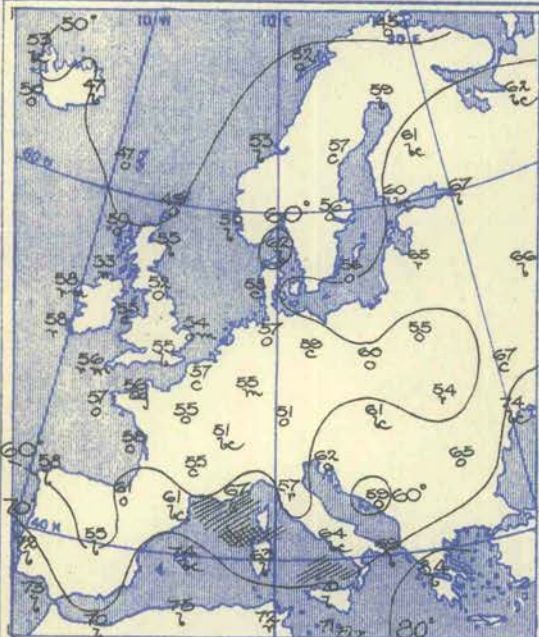
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather cloudy or overcast in nearly all the western and north-western regions, and also in central Europe and northern Italy, with rain at some of our own western stations, and also at Florence and Pesaro. Generally fair to fine elsewhere, but a thunderstorm prevailing at Malta, and rain at Tunis, Lemberg, and Riga. Considerable or heavy amounts of rain later in most parts of these Islands, as much as 1.1 in. at Holyhead. Large quantities of rain experienced at several places over a wide area on the Continent; nearly an inch at Wisby, more than an inch at Herminstadt, and 2.9 ins. at Trieste.

Temperature showing no general change. Morning readings ranging from 81° at Patras, and above 70° at many other stations in the far south, and also in the south of Russia, to below 60° over the greater portion of our area, and to below 50° in the north of Scotland and at Vardö. Maxima during day above 65° at some places in the south of these Islands, but below 60° at several northern and north-western stations. Thermometer rising to above 80° at St. Petersburg and at various places in the south of Europe; highest readings, 86° at San Fernando, and 88° at Athens.

Wind in morning light from the Southward in the west of the United Kingdom, and light to moderate from the North-Westward over England, the North Sea region, and France. A moderate to fresh or strong Northerly breeze generally prevalent over Scandinavia, light variable airs in Russia, and a moderate to strong North-Westerly current over the western portion of the Bay of Biscay. Southerly to South-Westerly current extending over the United Kingdom during day, but little change of importance elsewhere.

Barometer in morning above 30.4 ins. in the north-west of Spain, and relatively high in a ridge extending thence to the Faeröes; below 29.9 ins. in a depression over the White Sea, below 29.7 ins. in a large shallow system over the Black Sea and its vicinity, and relatively low over Italy and the neighbouring Islands. A disturbance of increasing intensity spreading over the west and north-west of these Islands during day, and travelling south-eastward, becoming at the same time deeper, during the night.

Wednesday, 6th July, 1910.

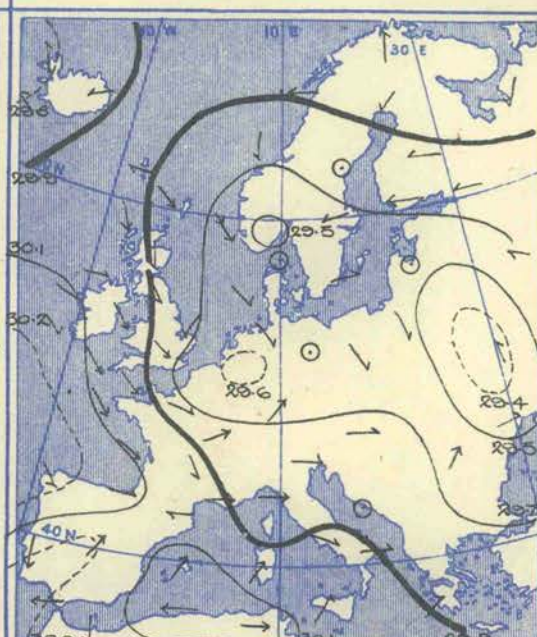
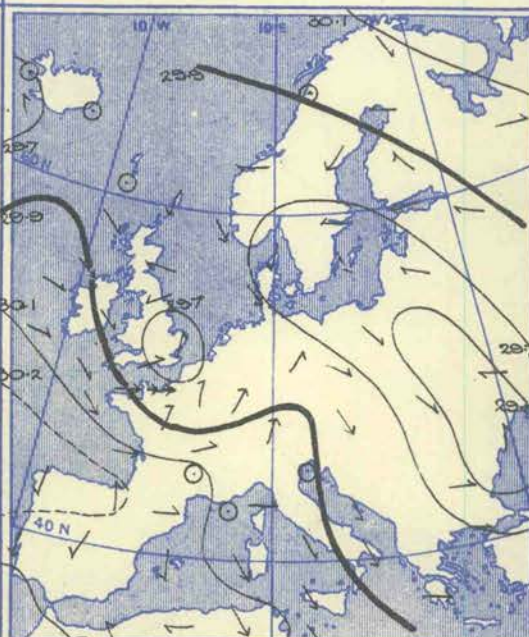
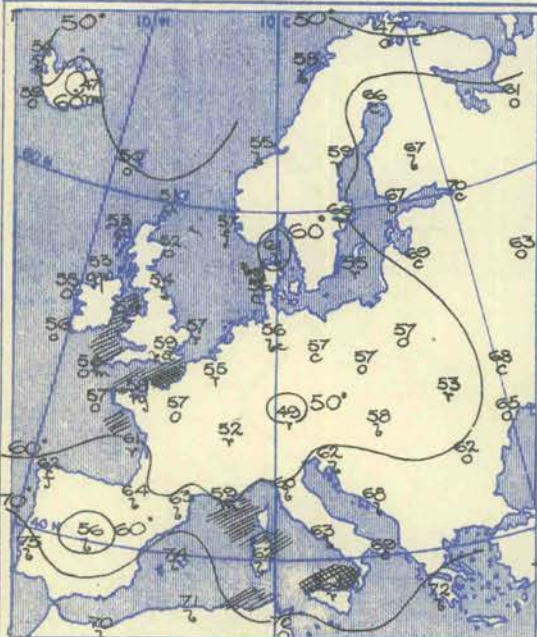
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning dull or rainy and generally unsettled over these Islands and the western and northern countries of the Continent. Fair to bright over the Mediterranean region; dull in the south of Russia, and rain falling at Herminstadt and Lemberg. Heavy rain later in the east of England; 0.9 in. at Spurn Head and Great Yarmouth, and heavier amounts at various places on the Continent, 2.0 ins. at Lemberg, more than an inch at many Swiss stations, an inch at Florence, and 0.9 in. at Carlsruhe, and also at Karlstad. Considerable quantities in Russia.

Temperature risen somewhat in most regions. Morning readings above 70° at many stations in the south of our area and in southern Russia, and as high as 70° at St. Petersburg; below 60° at nearly all places in France, central Europe, these Islands, and Scandinavia, and below 50° at Munich and Vardö. Maxima during day below 65° at almost all our own stations, and below 60° at many. Maxima low in France and the central countries, but high in the extreme south and in Russia and Sweden; 81° at Haparanda, 82° at St. Petersburg, and 93° at Madrid.

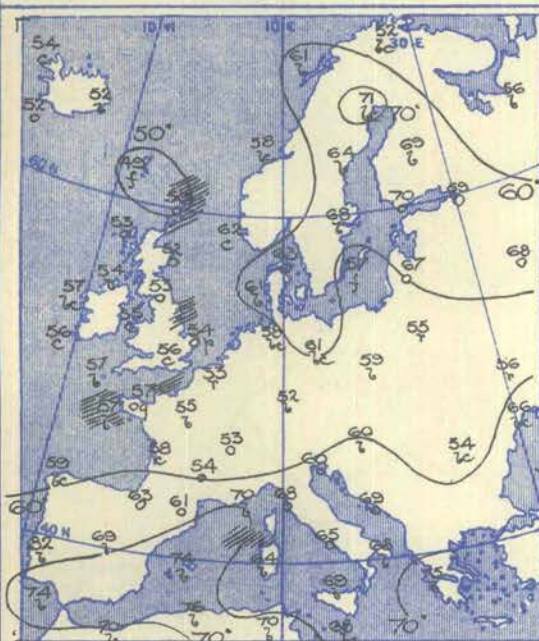
Wind in morning generally cyclonic, the chief circulations prevailing over the United Kingdom and the North Sea, and the eastern half of the continent. North-Westerly current strong in the west and south-west of this country, and that from West blowing a gale at La Hève. Fresh to strong breezes from various directions prevailing in places elsewhere. A gale from North-North-West setting in by evening at Skudesnaes, but Westerly gale subsiding at La Hève. Veering somewhat in the south and south-east of England.

Barometer in morning above 30.2 ins. in a long narrow band extending from the Atlantic across the north of Spain to Algeria and Tunis, and above 30.1 ins. in the extreme north of our area. Below 29.7 ins. in a depression centred over the Wash, and below 29.5 ins. in an elongated system extending from Sweden to the Black Sea. Considerable modification taking place within both the high and low pressure systems during day; the depression over the Wash moving south-eastward to the Continent, and a minimum over the south-east of Russia growing deeper. Pressure increasing slowly over these Islands.

Thursday, 7th July, 1910.

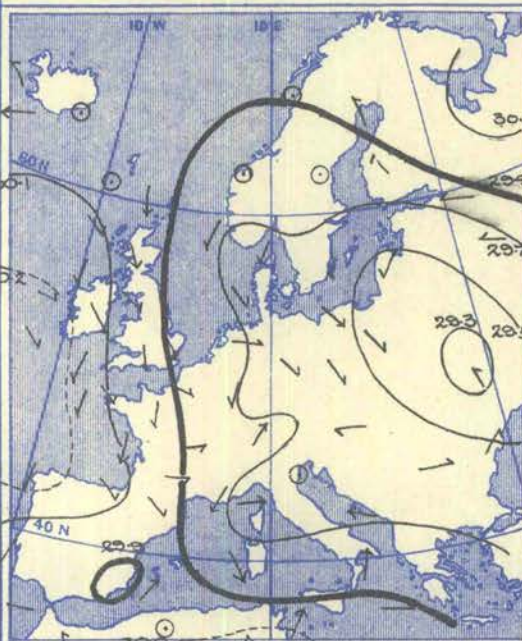
Temperature and Weather.

7 a.m.

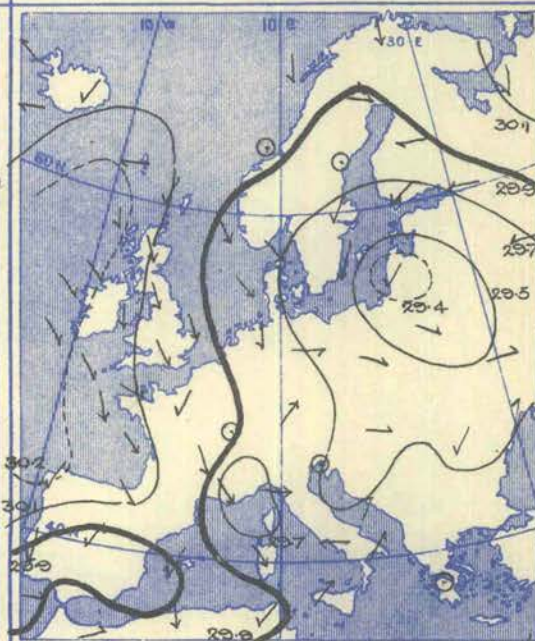


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or overcast in these Islands and the Low Countries, with showers or rain at Great Yarmouth and Brussels; generally unsettled, with rain in many places, over the eastern regions of central Europe. Mostly fair to very bright in the north and south of our area, but overcast in Italy. Some rain later in the east and south-east of England, and much heavier falls in various parts of Germany, Switzerland, and Poland; as much as 1.25 in. at Warsaw.

Temperature fallen in England and over a large portion of the Continent, risen in Scandinavia. Morning readings ranging from 71° at Haparanda, and much above 70° at several stations in the extreme south of our area, to below 60° over the central countries and the United Kingdom, and to below 55° in places. Maxima during day below 60° over a large portion of the United Kingdom and the Netherlands, but about 70° in some parts of Germany and Austria, as well as in the south of France, above 75° in Russia and Sweden, and as high as 93° at Madrid, Lisbon, and Tunis. Thermometer rising to 84° at Haparanda, and 86° at Hernösand.

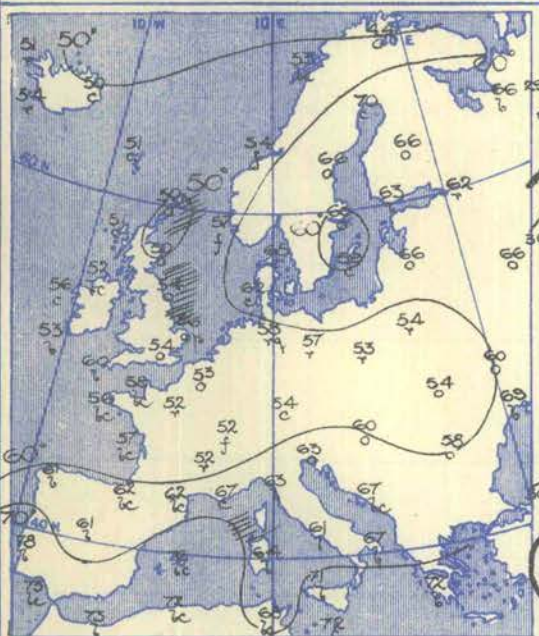
Wind in morning light to fresh or strong from the Northward over these Islands, the North Sea, and the Netherlands. A well marked cyclonic circulation of light to strong breezes prevailing over the southern half of Russia and its vicinity; another cyclonic movement, varying in force, shown over southern Europe. Not much change later, but some increase in force taking place on several shores of the Mediterranean.

Barometer in morning above 30.2 ins. in an anticyclonic system to the westward and south-westward of these Islands; below 29.3 ins. in a very large depression centred in the east of Russia, and relatively low in other systems over the Gulf of Genoa and the south of Norway. Russian depression moving north-westward during day, and that over the Gulf of Genoa becoming more clearly defined. Atlantic high pressure system travelling north-westward, and barometer rising in the north and north-west of these Islands, as well as in Iceland.

Friday, 8th July, 1910.

Temperature and Weather.

7 a.m.

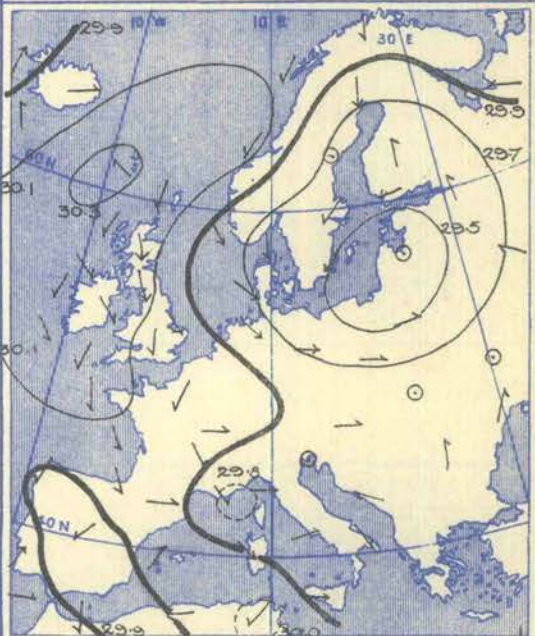


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to bright at most stations over the western half of these Islands, in the west of France, over the greater part of southern Europe and in Algeria, and also over a large area in Russia. Generally cloudy or overcast elsewhere, with showers or steady rain at Great Yarmouth, Paris and Lyons, as well as in some German localities, and at St. Petersburg. Considerable or heavy rain experienced later in many parts of central and northern Europe, and more than 0.5 in. at Florence. Conditions dry in nearly all parts of these Islands.

Temperature fallen over the greater portion of this country and Norway. Morning readings 70° in some parts of Sweden and the south of Russia, and above 75° at a few stations in the Mediterranean region; below 60° over extensive districts on the Continent and nearly the whole of this country, 50° in the north-east of Great Britain, and 44° at Vardø. Maxima during day very low for the time of year at almost all our own stations, but as high as 78° at Oban. Thermometer remaining low over the Netherlands and Germany, but rising to 88° at Haparanda, to about the same figure at a few places in the extreme south of our area, and to 95° at Madrid.

Wind in morning showing a cyclonic circulation over the east and north-east of Europe, and also over the Mediterranean; light to moderate in force generally, but fresh to strong in some localities. A high wind from South-South-West prevailing at Berlin. A Northerly current, fresh or strong in a few places, general over the United Kingdom. No important change later in day.

Barometer in morning ranging from about 30.3 ins. in an anticyclone centred off the north-west of Scotland, to below 29.4 ins. in a large depression having its minimum to the eastward of Memel. Relatively low in a disturbance over Corsica and in another over Spain and Portugal. Very little change later in the general distribution of pressure, and not much in the actual height of the barometer. Gradient increasing over Norway and the North Sea.

Saturday, 9th July, 1910.

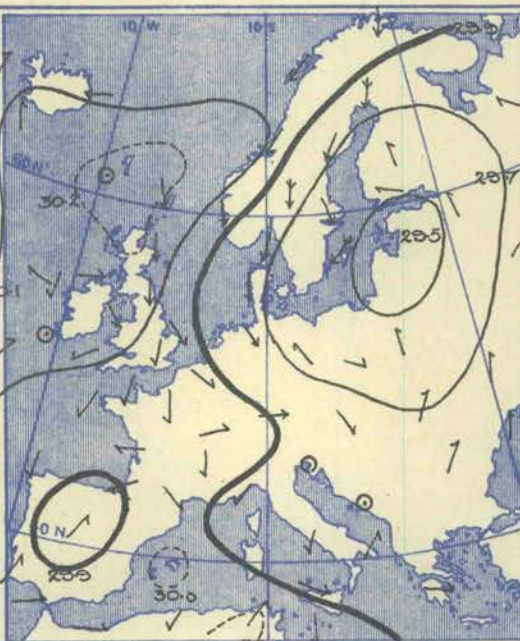
Temperature and Weather.

7 a.m.

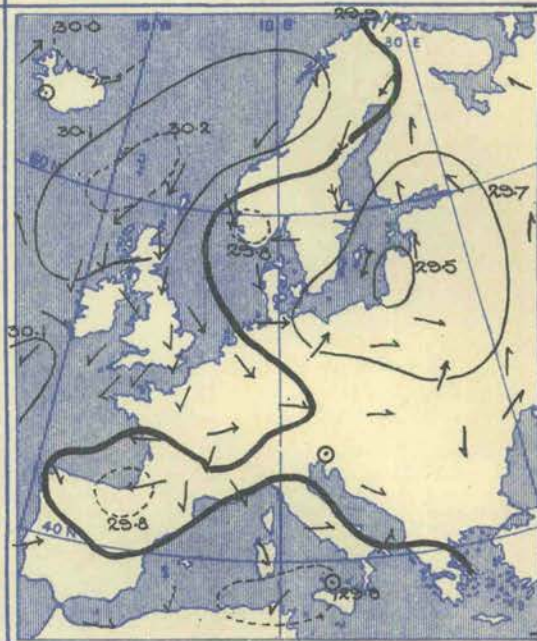


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very unsettled, with much cloud, and rain in several places, over the greater portion of the Continent and the east of England, but fair to fine in the west of these Islands, and also over the greater portion of southern Europe and the Mediterranean. Fog prevailing at Corunna and rain at Barcelona. Dry all day in these Islands, but very dull in many English localities. Some rain falling in several places on the Continent, nearly an inch at Odessa.

Temperature fallen quickly over Scandinavia, changed irregularly elsewhere. Morning readings ranging from 74° at Athens, above 70° at some other stations in the far south, and nearly 70° in the extreme north of Russia to below 55° in nearly all parts of these Islands and at some French and German stations, and to 49° in the north of Scotland. Temperature continuing very low over this country generally; maxima below 65° in many parts of England. Thermometer rising to 88° at Oran, above 80° at several other places in the south, and to 70° or above over a large area, including Denmark.

Wind in morning showing a very extensive cyclonic movement over the eastern half of the Continent, the Northerly current being strong to a strong gale over Scandinavia. Northerly breezes prevailing at most of our own stations, fresh to very strong along the east coast. A light to moderate cyclonic movement over the Peninsula. No change of importance during day; gale continuing over the gulf of Bothnia.

Barometer in morning above 30.2 ins. in a large anticyclonic area to the north and west of the United Kingdom. Below 29.5 ins. in a large depression centred over or near the Gulf of Riga, and below 29.9 ins. in another over Spain. Scarcely any modification occurring during day in the general distribution of pressure, but a small secondary disturbance over the south of Norway becoming more clearly marked.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°—E, 180°—S, 270°—W, and 360°—N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. July 7th. 2.0 p.m. to 5.40 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	287.2° 80% 340°, 6.3	285.5° 75% 330°, 8.5	284.5° 60% 330°, 9.0	280.5° 70% 350°, 8.0				Metres.	{ Overcast Stratus. No clouds reached. Falling wind.

APPARATUS USED IN THE KITE ASCENT.

No. of Ascent.	1
No. of Kite ..	2
Area of Surface (sq. metres) ..	12.5
Length of Wire (metres) ..	2,000

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 225

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 28.

TWENTY-EIGHTH WEEK, SUNDAY, JULY 10TH, TO SATURDAY, JULY 16TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—During the greater part of the week the weather was dry in all districts, but in the south and east of England the sky was often very cloudy. A little rain fell in several localities towards the end of the period, and on the evening or night of the 16th thunderstorms were experienced on some parts of our southern and south-eastern coasts.

Temperature was again below the average in all parts of England except the north-west, the deficit amounting to about $3\frac{1}{2}^{\circ}$ in England E. and S.E. In Ireland and the north and west of Scotland it exceeded the normal—by more than 2° in Scotland W.—but in the east of Scotland the mean value was 2.4° below the average. The highest of the maxima were recorded at most stations about the middle of the week, and ranged from 81° in Scotland W. and England N.W., and 80° in Scotland E. to 73° in England E. and the English Channel. Maxima below 60° were very common on the north and east coasts; at North Shields there was no reading as high as 60° . The lowest of the minima were generally recorded early in the week. In Scotland E. (at Balmoral on the 11th) the thermometer fell to 31° , but in the other districts the minima ranged from 40° in Scotland N. and W. to 44° in England E. and Ireland S., and to 50° in the English Channel. The lowest readings on the grass were 29° at Balmoral, 33° at Sheffield and Newton Rigg, and 34° at Crathes and West Linton.

Mean Temperature of the Sea.—On most parts of the coast of Great Britain the water was colder than during the corresponding week of last year, while off the west of Ireland it was warmer. The means for the week ranged from $62\frac{1}{2}^{\circ}$ at Teelin, about 62° at Cleggan, Seafield and Newquay, and 60° at Margate and Eastbourne to 54° at Port Erin, Kirkwall, and Pennan Bay, 52° at Burnmouth, and 51° at Wick.

Rainfall.—Over a large portion of the Kingdom there was either no rain or less than 0.05 inch; in the south-east and south a few localities experienced about 0.5 inch with the thunderstorms noted above.

Bright Sunshine was much above the average in Ireland, Scotland and the north-west of England, and slightly above it in England S.W. and the Midland Counties: in the south, south-east and east of England, however, there was a great deficiency. The percentage of the possible duration ranged from 74 in Ireland N., 69 in England N.W. and 61 in Scotland W. and Ireland S. to 30 in England S.E., 28 in England N.E. and to 25 in England E.

Barometer and Wind.—Over the kingdom generally the pressure distribution was anticyclonic, the barometer being higher for a time over this country and its immediate vicinity than in any of the surrounding regions. After the middle of the week the anticyclonic centre became transferred gradually to the Icelandic region, while a shallow depression began to spread over our southern districts from France. The wind varied a good deal in direction during the earlier days of the week, but during Wednesday it became Northerly or North-Easterly very generally, and continued from between North and North-East or East until the end of the period. A moderate to fresh breeze was sometimes experienced in the south and south-east of England, but elsewhere there was little force.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 212.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Unusual	Moderate	Moderate	Unusual	Unusual	Deficient
	Rainfall ...	Very light	Very light	Very light	Light	Very light	Light	Nought	Nought	Light	Nought	Very light	Moderate
	Sunshine ...	Very abundant	Abundant	Scanty	Very scanty	Moderate	Scanty	Very abundant	Very abundant	Moderate	Very abundant	Very abundant	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 6 weeks from June 5th, 1910.	{	Warmth ...	3 * 1	1 * 3	2 * 3	2 * 3	3 * 3	2 * 3	3 * 2	2 * 2	1 * 2	4 * 2	1 * 2	1 * 3
		Rainfall ...	0 * 3	1 * 3	3 * 3	3 * 2	4 * 2	4 * 2	1 * 3	2 * 2	2 * 2	2 * 1	3 * 2	1 * 1
		Sunshine ...	3 * 1	3 * 2	1 * 3	0 * 4	1 * 3	1 * 3	4 * 1	3 * 1	1 * 1	2 * 2	2 * 2	1 * 3

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
		5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
		5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
		10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
		6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

TWENTY-EIGHTH WEEK—July 10th to July 16th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	78	40	64.5	47.4	55.3	+ 0.6	Day-deg. 93	Day-deg. + 4	Day-deg 0	Day-deg. 0	1	- 3	Inches. 0.01	Inches. - 0.79	50	+ 20	% 41	% +17
Eastern																		
1. SCOTLAND, EAST	80	31	63.5	46.0	54.1	- 2.4	85	- 17	0	0	1	- 3	0.03	- 0.68	51	+ 14	43	+12
2. ENGLAND, N.E.	77	43	62.6	49.5	55.6	- 3.2	95	- 23	0	0	1	- 3	0.03	- 0.45	32	- 13	28	-11
3. ENGLAND, EAST	73	44	63.1	51.9	57.1	- 3.6	106	- 25	0	0	2	- 1	0.02	- 0.50	29	- 21	25	-19
4. MIDLAND COUNTIES	78	42	65.1	49.9	58.3	- 1.8	114	- 13	0	0	1	- 2	0.01	- 0.49	49	+ 5	43	+ 4
5. ENGLAND, S.E.	75	42	65.3	51.8	58.1	- 3.4	113	- 23	0	0	1	- 2	0.20	- 0.27	34	- 17	30	-15
Western																		
6. SCOTLAND, WEST	81	40	71.9	48.8	59.6	+ 2.4	123	+ 17	0	0	0	- 4	0.00	- 0.85	72	+ 32	61	+27
7. ENGLAND, N.W.	81	41	70.2	50.2	59.5	+ 0.6	123	+ 5	0	0	0	- 3	0.00	- 0.63	81	+ 37	69	+32
8. ENGLAND, S.W.	79	41	67.2	51.8	59.0	- 0.8	119	- 6	0	0	1	- 3	0.33	- 0.31	49	+ 2	43	+ 2
9. IRELAND, NORTH	79	42	68.3	51.0	59.1	+ 1.7	120	+ 12	0	0	0	- 5	0.00	- 0.73	86	+ 54	74	+47
10. IRELAND, SOUTH	79	44	70.7	51.5	60.4	+ 1.5	129	+ 11	0	0	1	- 2	0.03	- 0.66	70	+ 34	61	+29
11. ENGLISH CHANNEL	78	50	66.3	54.6	60.0	- 1.2	126	- 9	0	0	2	- 1	0.37	- 0.15	37	- 20	34	-18
THE SEASON (Summer).—Aggregates, &c., for the Period of 6 Weeks, June 5th to July 16th, 1910.																		
0. SCOTLAND, NORTH	78	34	*	*	*	*	503	+ 20	0	- 2	17	- 6	2.25	-1.93	231	+ 26	21	+ 4
Eastern																		
1. SCOTLAND, EAST	80	30	*	*	*	*	506	- 39	0	- 1	19	- 1	2.22	-1.16	263	+ 18	36	+ 2
2. ENGLAND, N.E.	81	37	*	*	*	*	583	- 22	0	0	18	0	2.63	-0.02	225	- 43	32	- 6
3. ENGLAND, EAST	83	39	*	*	*	*	655	- 31	0	0	21	+ 4	3.58	+0.78	229	- 64	33	- 9
4. MIDLAND COUNTIES	83	40	*	*	*	*	665	- 12	0	0	19	+ 2	3.92	+1.05	232	- 33	34	- 5
5. ENGLAND, S.E.	81	39	*	*	*	*	691	- 29	0	0	20	+ 4	4.03	+1.42	241	- 60	35	- 9
Western																		
6. SCOTLAND, WEST	81	37	*	*	*	*	621	+ 33	0	0	14	- 7	2.95	-1.35	325	+ 66	46	+ 9
7. ENGLAND, N.W.	81	40	*	*	*	*	649	+ 10	0	0	16	- 3	3.84	+0.55	307	+ 35	44	+ 5
8. ENGLAND, S.W.	81	34	*	*	*	*	641	- 32	0	0	18	- 1	4.31	+1.05	265	- 24	39	- 3
9. IRELAND, NORTH	79	37	*	*	*	*	592	0	0	0	20	- 4	4.37	+0.55	269	+ 47	38	+ 7
10. IRELAND, SOUTH	79	41	*	*	*	*	656	+ 2	0	0	22	+ 2	4.26	+0.63	264	+ 18	33	+ 3
11. ENGLISH CHANNEL	79	47	*	*	*	*	690	- 24	0	0	18	- 1	3.51	+0.88	281	- 64	42	-10
THE YEAR.—Aggregates, &c., for the Period of 28 Weeks, January 2nd to July 16th, 1910.																		
0. SCOTLAND, NORTH	78	2	*	*	*	*	956	+ 25	595	+ 38	129	+ 2	26.86	+1.84	771	+72	30	+ 3
Eastern																		
1. SCOTLAND, EAST	80	-10	*	*	*	*	1018	- 53	636	+ 16	110	+ 6	14.80	+0.16	859	+46	34	+ 2
2. ENGLAND, N.E.	81	6	*	*	*	*	1224	+ 64	454	- 21	105	+10	12.12	+0.99	824	- 45	33	- 2
3. ENGLAND, EAST	83	17	*	*	*	*	1421	+ 44	393	-128	107	+15	13.89	+2.77	928	0	37	0
4. MIDLAND COUNTIES	83	10	*	*	*	*	1420	+ 24	474	- 59	108	+17	14.06	+1.43	856	+24	34	+ 1
5. ENGLAND, S.E.	81	13	*	*	*	*	1492	+ 5	294	- 87	110	+23	15.78	+3.56	944	+12	38	0
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	1239	+ 50	432	+ 7	116	+ 6	22.42	+0.30	899	+67	36	+ 3
7. ENGLAND, N.W.	81	7	*	*	*	*	1309	+ 46	333	- 48	120	+20	19.37	+3.79	935	+92	37	+ 4
8. ENGLAND, S.W.	81	8	*	*	*	*	1413	- 25	242	- 59	114	+15	20.19	+2.85	960	+35	38	+ 1
9. IRELAND, NORTH	79	7	*	*	*	*	1245	- 7	351	+ 6	131	+12	21.08	+3.30	808	+25	32	+ 1
10. IRELAND, SOUTH	79	18	*	*	*	*	1474	+ 1	258	- 1	133	+27	22.75	+3.60	859	- 9	34	0
11. ENGLISH CHANNEL	79	28	*	*	*	*	1623	- 10	54	- 55	112	+ 6	17.92	+3.37	1052	-56	42	- 2

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

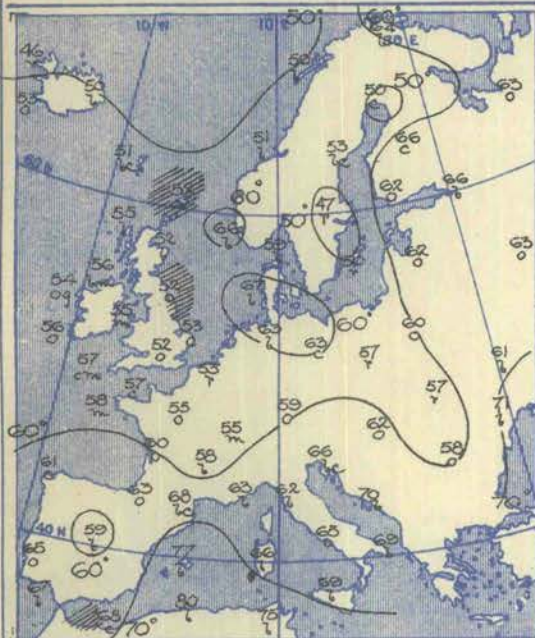
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).		No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.
						Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°.	Below 42°.								
0. SCOTLAND, N.	a, Islands.	p Balta Sound	70	12th	44	12th	58.6	47.8	52.8	76	0	1	0.01	Ins.	63.5	—	50	—	Balta Sound.
		a Sumburgh Head	69	12th	45	14th, 16th	61.3	47.1	53.7	+ 2.0	82	0	0.00	- 0.51	21.1	-11.0	17	- 9	Deerness.
		a Stornoway	68	11th	45	12th	62.3	48.3	54.8	+ 1.1	90	0	0.00	- 0.67	73.2	+37.2	60	+20	Stornoway.
		a Castlebay, Barra Isd.	67	14th, 15th	47	12th	62.9	51.3	56.7	+ 0.3	103	0	0.00	—	86.0	—	72	—	Castlebay.
		a Wick	63	10th, 13th	42	10th, 11th	58.3	44.9	51.1	- 3.0	64	0	4.00	- 0.52	—	—	—	—	Strathpeffer.
		p Strathpeffer	73	13th	48	11th, 16th	65.7	49.7	57.1	+ 1.4	106	0	1.04	- 0.58	45.2	+14.2	37	+12	Strathpeffer.
		p Glencarron	76	11th	43	11th	68.5	46.2	56.6	+ 3.1	102	0	0.00	- 1.19	—	—	—	—	Fort Augustus.
1. SCOTLAND, E. . .	b, Main-land.	p Fort Augustus	65	11th, 12th	40	11th	62.9	48.5	55.2	- 0.3	92	0	0.00	- 0.63	59.9	+34.8	50	+29	Fort Augustus.
		p Fort William	78	14th	44	11th, 16th	72.3	47.1	58.8	+ 2.6	118	0	0.00	- 1.07	—	—	—	—	—
		p Gordon Castle	65	11th, 12th	45	10th	60.3	46.8	53.1	- 3.4	78	0	2.05	- 0.65	38.1	—	32	—	Gordon Castle.
		a Nairn	64	10th	44	11th	59.3	47.9	53.2	- 3.0	78	0	0.05	- 0.51	48.0	—	40	—	Nairn.
		a Aberdeen	66	10th	42	14th	61.0	47.9	54.0	- 2.1	84	0	1.01	- 0.59	44.8	+ 6.6	37	+ 5	Aberdeen.
		a Balmoral	80	13th	31	11th	68.7	39.1	52.9	- 1.1	88	8	0.00	- 0.60	63.8	—	53	—	Crathes S.
		p Crieff	78	11th, 13th	41	16th	71.1	47.1	58.3	+ 0.8	114	0	1.01	- 0.67	48.3	—	41	—	Balraddery.
2. ENGLAND, N.E.	b, South.	a Leith	65	10th	46	10th	59.9	49.7	54.4	- 3.5	87	0	1.02	- 0.55	—	—	—	—	Edinburgh.
		a West Linton	75	11th	39	10th	65.3	43.7	53.8	- 1.5	83	0	0.00	—	70.5	—	60	—	West Linton.
		p Marchmont	71	13th	42	12th	62.4	45.4	53.8	- 2.3	79	0	1.06	- 0.64	51.6	+11.6	44	+10	Marchmont.
		a Alnwick Castle	66	13th	43	14th	59.8	48.4	53.7	- 3.3	82	0	2.04	- 0.56	33.0	—	28	—	Cockle Park.
		a Shields	58	10th, 16th	45	14th	57.0	47.7	52.0	- 5.2	70	0	2.03	- 0.50	27.3	- 5.2	24	- 4	Newcastle.
		p Durham	69	13th	49	10, 12, 14, 16	62.9	49.3	55.6	- 2.7	95	0	0.00	- 0.63	41.8	+ 3.1	36	+ 3	Durham.
		p Rounton	68	11th	47	14th	60.4	49.2	54.4	- 2.9	87	0	2.02	- 0.54	—	—	—	—	Scarborough.
3. ENGLAND, E.	b, South.	p Scarborough	63	14th	47	12th	59.7	50.4	54.7	- 3.8	89	0	4.11	- 0.41	13.3	—	12	—	Scarborough.
		p York	74	13th	48	12th	67.6	50.0	58.2	- 1.4	113	0	1.03	- 0.52	40.1	- 0.3	35	0	York.
		a Spurn Head	65	12th	48	12th	60.0	50.3	54.8	- 4.1	90	0	0.00	- 0.37	—	—	—	—	Skegness.
		a Lincoln	74	13th	46	12th	66.7	50.4	58.0	- 2.5	112	0	1.01	- 0.49	15.6	—	14	—	Raebury.
		a Fulbeck	77	13th	47	12th	68.9	50.2	58.9	- 1.3	118	0	1.02	- 0.45	50.6	—	44	—	Lowestoft.
		p Cromer	60	10th, 11th	49	14th	57.9	50.7	54.1	- 5.4	85	0	6.07	—	2.2	—	2	—	Cromer.
		p Hillington	67	13th	44	11th	62.6	50.2	56.0	- 3.9	98	0	5.06	- 0.53	30.6	-14.9	27	-13	Hillington.
4. MIDLAND COUNTIES.	b, West.	a Yarmouth	62	11th, 16th	50	14th, 15th	60.4	52.3	56.1	- 3.4	96	0	0.00	- 0.53	12.1	—	11	—	Yarmouth.
		a Norwich	65	16th	51	10th, 14th	62.5	52.6	57.2	- 2.7	106	0	4.05	—	—	—	—	—	Geideston.
		p Geldeston	66	13th, 14th	50	10th	63.3	52.5	57.5	- 2.2	109	0	0.00	- 0.49	29.9	-18.3	26	-16	Cambridge.
		p Cambridge	70	12th	50	10, 12, 14th	65.6	51.8	58.2	- 3.0	113	0	0.00	- 0.51	44.8	- 2.5	39	- 2	Felzestown.
		a Felzestown	64	12, 13, 14th	50	10th	62.6	53.0	57.5	- 3.4	109	0	0.00	—	44.5	—	39	—	Clacton.
		a Clacton-on-Sea	64	15th	51	10th, 11th	61.9	53.1	57.2	- 3.5	106	0	0.00	—	30.8	—	33	-10	Rothamsted.
		a Rothamsted	69	12, 13, 14th	48	10th	65.9	50.5	57.7	- 2.1	110	0	0.00	- 0.54	36.7	-11.2	33	-10	Southend.
5. ENGLAND, S.E. . .	b, South.	a Shebburness	64	16th	50	10th	62.3	52.6	57.1	- 5.5	106	0	1.01	- 0.39	31.9	—	28	—	Tottenham.
		p Tottenham	73	13th	51	10th, 14th	67.8	53.1	59.9	- 1.7	125	0	0.00	—	34.9	—	31	—	Tottenham.
		a Harrogate	72	13th	46	12th	65.6	47.7	56.0	- 1.4	98	0	2.02	- 0.52	52.0	—	45	—	Harrogate.
		a Bawtry	75	13th	48	12th, 14th	70.4	49.7	59.3	- 0.5	121	0	3.03	- 0.47	50.0	+12.0	44	+11	Worsnop.
		p Buxton	75	13th	41	10th	66.2	46.1	56.5	- 1.3	95	0	0.00	- 0.32	67.5	—	59	—	Buxton.
		a Nottingham	75	13th	46	12th	67.4	50.4	58.3	- 2.1	114	0	0.00	- 0.50	53.4	—	46	—	Nottingham.
		p Birmingham, Edgbn	74	13th, 14th	47	10th	67.7	50.7	58.6	- 0.8	116	0	0.00	- 0.50	45.0	—	40	—	Birmingham.
6. {	b, ISLE OF MAN	a Raunds	73	13th, 14th	49	10th, 12th	66.8	50.8	58.2	- 2.5	113	0	1.01	—	—	—	—	—	Oxford.
		a Oxford	73	14th	47	10th	67.6	51.0	58.7	- 2.1	117	0	0.00	- 0.55	40.3	- 5.7	36	- 5	Sheffield.
		a Cheadle	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Cirencester.
		p Shrewsbury	78	14th	46	12th	70.8	49.5	59.4	+ 0.2	122	0	0.00	—	—	—	—	—	Bath.
		a Hereford	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Ramsgate.
		a Cirencester	75	14th	42	10th	67.0	48.9	57.3	- 1.8	107	0	0.00	- 0.57	45.5	+ 0.5	40	+ 1	Kew.
		a Bath	77	14th	44	10th	69.3	50.3	59.1	- 1.3	120	0	1.05	- 0.52	57.3	—	51	—	Marlborough.
7. {	b, NORTH WALES	p Kew	71	13th	52	10th, 14th	67.1	53.9	60.0	- 1.3	126	0	1.02	- 0.50	36.2	-10.4	32	- 9	Margate.
		a Marlborough	74	14th	42	10th	66.7	47.6	56.5	- 2.8	102	0	0.00	- 0.57	36.9	- 5.8	33	- 5	Worthing.
		a Margate	64	13th	51	10th	61.2	53.0	56.8	- 4.4	104	0	1.04	- 0.40	18.3	-26.7	16	-24	Tunbridge Wells.
		a Wisley, Surrey	71	13th, 14th	49	10th	67.2	52.4	59.3	- 2.8	121	0	0.00	- 0.40	36.1	—	32	—	Littlestone.
		a Swaraton	74	14th	43	10th	66.9	49.6	57.7	- 1.7	110	0	2.07	- 0.46	47.2	—	42	—	Hastings.
		a Tunbridge Wells	71	13th	48	10th	65.2	50.5	57.3	- 3.1	107	0	2.15	- 0.35	32.4	-15.2	29	-14	Southampton.
		a Dungeness	65	15th	51	10th	62.4	53.9	57.9	- 2.6	111	0	1.00	+ 0.22	27.8	—	25	—	Ventnor.
8. {	b, ENGLAND, S.W. . .	p Hastings	68	12th	50	10th	63.9	52.5	57.8	- 2.6	111	0	1.46	- 0.02	31.0	-23.3	23	-21	Eastbourne.
		p Southampton	75	14th	47	10th	68.4	52.2	59.7	- 2.5	124	0	1.08	- 0.14	37.2	-13.1	33	-12	Westminster.
		a Ventnor	68	14th	50	10th	64.0	52.3	57.7	- 3.7	110	0	2.30	- 0.18	30.6	-17.6	27	-16	Greenwich.
		a Westminster	70	12, 13, 14th	52	10th, 11th	67.3	53.1	59.7	- 2.1	124	0	0.00	- 0.50	31.7	- 9.1	28	- 8	Greenwich.
		a Greenwich	71	12th	50	10th, 14th	67.4	53.2	59.3	- 3.4	121	0	1.01	- 0.51	34.5	-17.5	31	-16	Greenwich.
		a Potalloch	77	14th	48	10th, 12th	72.1	50.7	60.7	+ 3.3	131	0	0.00	- 0.87	—	—	—	—	Glasgow.
		p Glasgow	77	12th	48	10th	69.8	49.7	59.1	+ 1.9	120	0	0.00	- 0.69	57.2	+23.2	48	+20	Dumfries.
9. IRELAND, N.	b, East.	p Rothesay	81	13th, 14th	47	12th, 13th	74.0	50.1	61.2										

Sunday, 10th July, 1910.

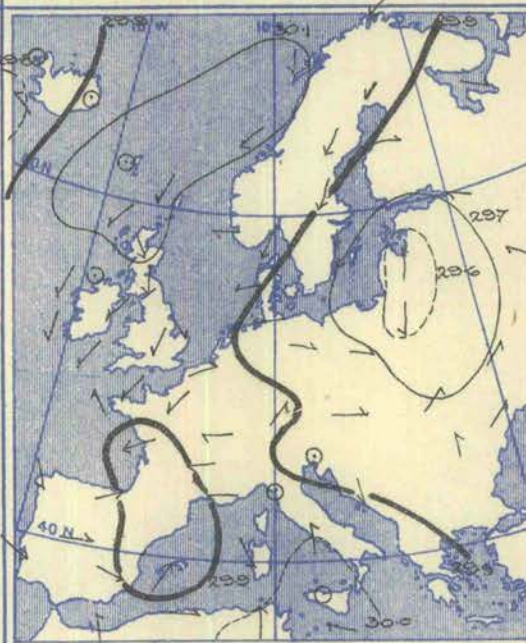
Temperature and Weather.

7 a.m.

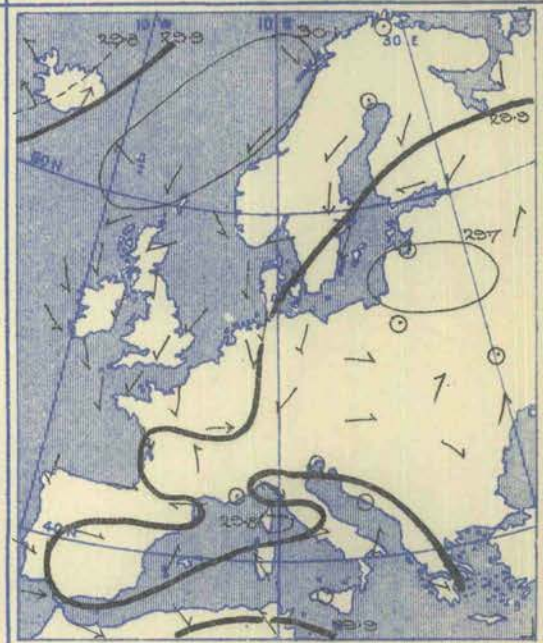


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright in the southern countries, as well as in most of northern Europe and Scotland; very cloudy or overcast over England and central Europe and the Baltic, with rain at some places in Germany and Poland, as well as at Brussels, Stockholm, and Wisby. Heavy rain later in Switzerland, and about 0.5 in. at Barcelona and at one or two places in the south of France. A thunderstorm at Perpignan. No rain measured in the United Kingdom.

Temperature changed little and irregularly in most regions, fallen decidedly in Sweden. Morning readings ranging from 80° at Algiers and above 70° at some other southern stations to a little above 50° over a large portion of the United Kingdom, and to 47° at Stockholm. Maxima during day about 60° over a large portion of these Islands, very little above it in the north of France and some places in the Netherlands. Thermometer rising to above 75° at most places in the south of our area, and to above 80° in many localities.

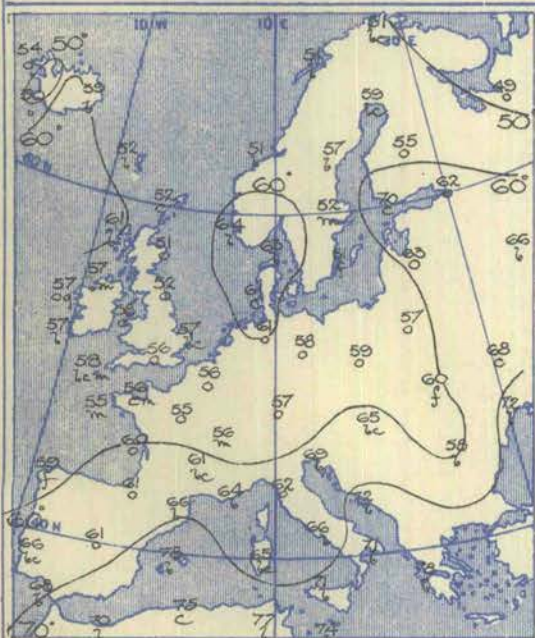
Wind in morning cyclonic generally, the chief circulation being over Russia and its vicinity. Northerly current fresh or strong over the Baltic, but little force elsewhere. Very light airs mainly from the Northward in these Islands generally, but a strong breeze at Sumburgh Head. Little change of a general character later; a gale from the Northward setting in at Wisby, but wind falling light in Shetland.

Barometer in morning above 30.2 ins. in a band extending from the Atlantic to the north-west of Norway; below 29.9 ins. in a large shallow depression over the south-west of our area, and below 29.6 ins. in a more important system having its minimum not far east of Memel. No great change later in the general distribution of pressure, but main depression becoming rather less deep, and a small disturbance developing between Corsica and Italy.

Monday, 11th July, 1910.

Temperature and Weather.

7 a.m.

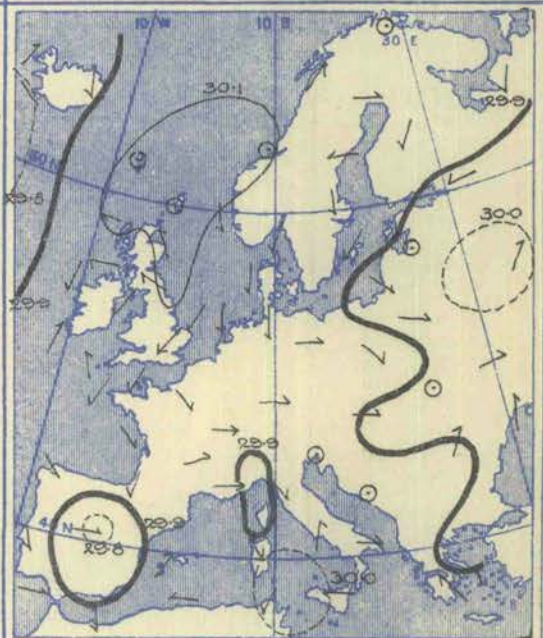


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over the greater portion of our area, but very cloudy or overcast in places, and rainy at Vienna. Some rain later in Switzerland and the north of Italy, and nearly an inch at Biarritz and Bilbao. A thunderstorm at Clermont-Ferrand. Weather continuing dry in the United Kingdom.

Temperature showing no decided change. Morning readings ranging from 75° or above at a few places in the far south and also at Bucharest to below 60° in many parts of France and Germany, and to about 50° in the north-east of this country and in the far north of Norway. Maxima during day between 70° and 74° at some places in the west and north-west of Great Britain and in Ireland, but below 60° at several of our east coast stations. Thermometer rising to 90° at Brindisi, and to above 80° at many places in the far south.

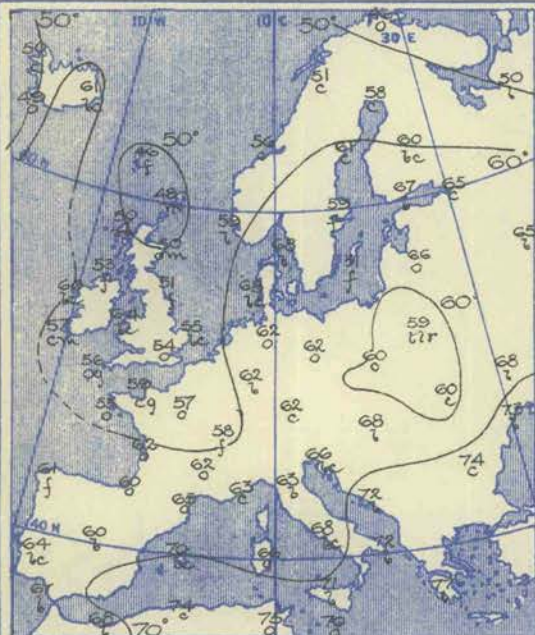
Wind in morning light and anticyclonic over these islands and their neighbourhood, and also over Scandinavia; light or moderate cyclonic elsewhere. Scarcely any change later in day; increasing to a moderate breeze from North-East on the south-east coast of England, and to a fresh breeze from North-West at Cagliari. A freshening Southerly wind setting in in Iceland.

Barometer in morning above 30.1 ins. in three distinct maxima over the north-west of our area; below 29.9 ins. in a depression over Iceland, and in another over Spain, and below 29.8 ins. in some larger, but, very shallow, systems in the east and south-east of our area. Little modification taking place in the general distribution of pressure later. Barometer falling somewhat in the north of Scandinavia, remaining stationary or rising slightly over the United Kingdom.

Tuesday, 12th July, 1910.

Temperature and Weather.

7 a.m.



Weather in morning fair to fine and bright over the major portion of our area, but much cloud prevailing in some localities, with a thunderstorm at Bilbao and Warsaw, and rain at Cassel, Turin, and Rome. Much mist and fog on the coasts of this country. Some rain later in Germany, Switzerland, the east and south-west of France, and also in some parts of Russia; about an inch at Nancy and Besançon.

Temperature changed somewhat, but risen in most regions. Morning readings ranging from above 70° in the south of Russia and on many shores of the Mediterranean, to below 55° over a considerable part of the United Kingdom and at a few stations on the Continent, and to below 50° at Wick, Sumburgh Head, and Vardö. Rising to 75° during day at Birr Castle and in some parts of England and Wales, but only touching 55° at North Shields. Maxima about 90° at various places in the extreme south of our area, and as high as 106° at Tunis, and 118° at Laghouat. Readings between 70° and 80° general in the central countries.

Barometer and Wind.

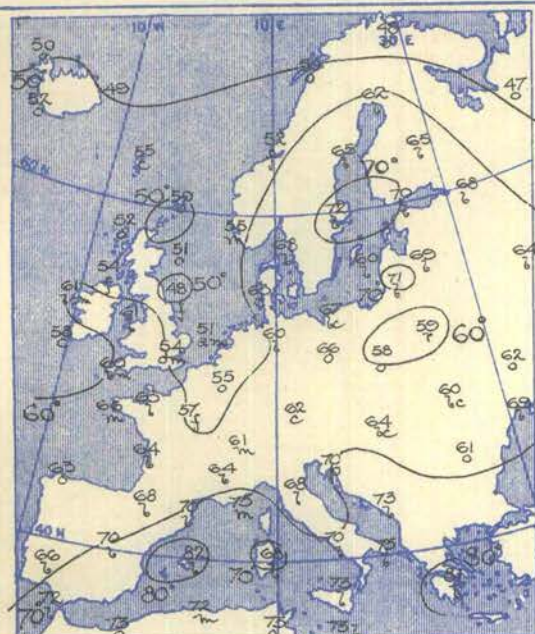
7 a.m.



Thursday, 14th July, 1910.

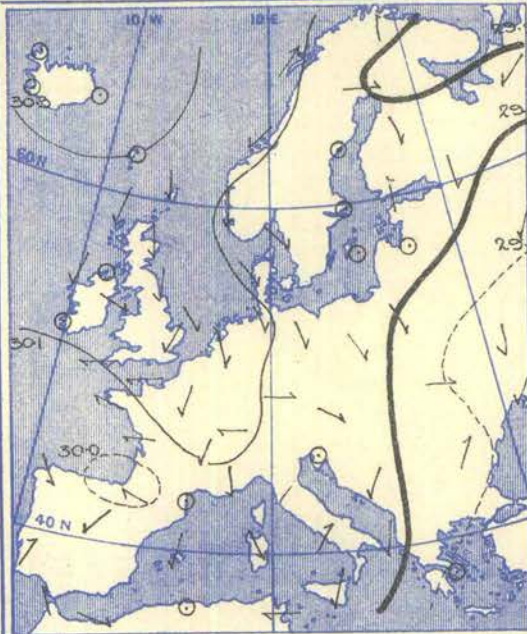
Temperature and Weather.

7 a.m.

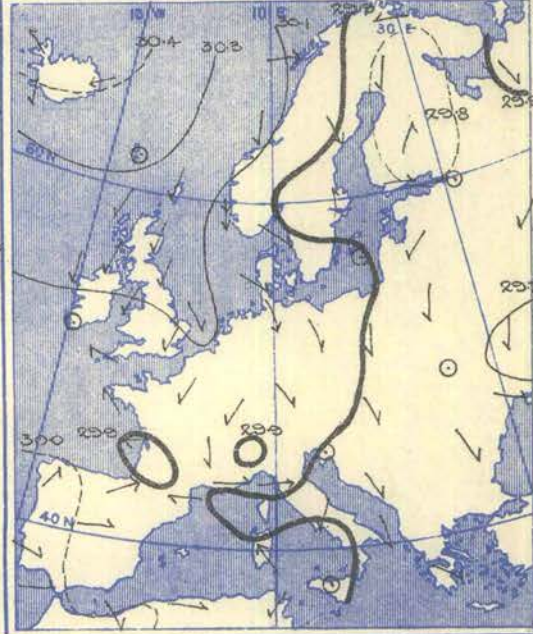


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast over the major portion of these Islands and central Europe, with some rain at Great Yarmouth and Warsaw. Fair to fine and bright in almost all other regions. A little rain later in the north-east of Great Britain; heavier amounts in various parts of France, with thunderstorms in places. Some rain also experienced in different parts of Scandinavia, Russia, and central Europe.

Temperature showing no decided change. Morning readings ranging from 91° at Biskra, and 82° at Barcelona, Palma and Bilbao to about 70° over a large area in the south and in the south of Scandinavia, to about 50° in the north of Britain and in the extreme north of Norway. Maxima during day above 70° in many parts of these Islands, but below 60° along the east coast. Thermometer rising to 124° at Biskra, 93° at Tunis, 97° at Madrid, 88° at some stations in the west of France, 87° at Florence and Rome, and to above 70° in the central countries.

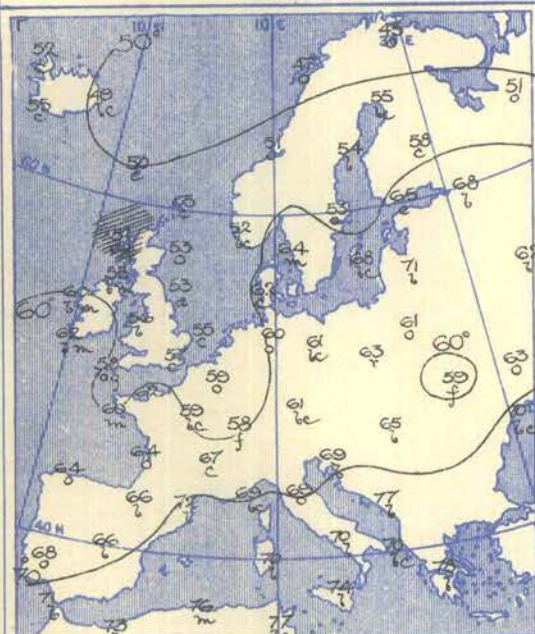
Wind in morning light to moderate very generally; mainly from some Northerly point over the east of our area, from various directions in the south, and from between North and East in the north-west and west. Increasing in force from the Northward later beyond the North Sea, and reaching the strength of a gale at Skudesnaes.

Barometer in morning 30.1 ins. to above 30.3 ins. in an anticyclone extending from the north of Italy across these Islands to Iceland. Below 29.8 ins. in a depression of little depth in the south-east of our area, and relatively low in some other shallow disturbances. A depression moving northward over the south-west of France by evening, and pressure giving way over the whole of this country. Little change taking place in the general distribution.

Friday, 15th July, 1910.

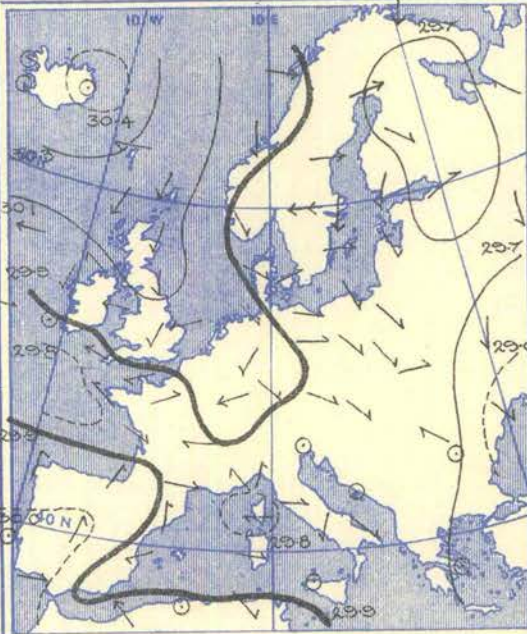
Temperature and Weather.

7 a.m.

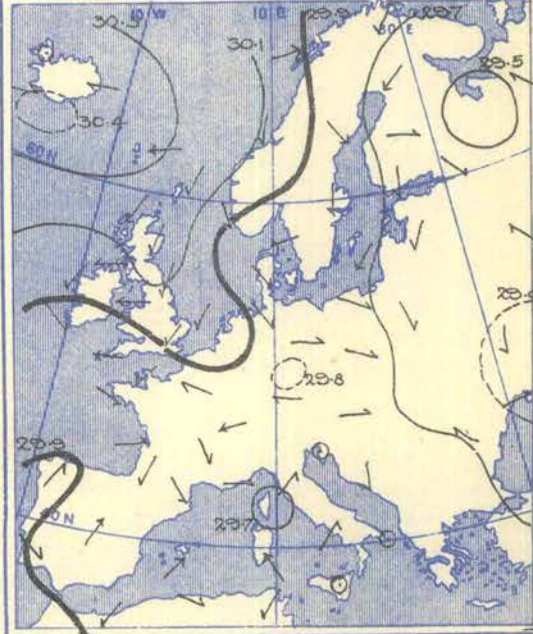


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or overcast in most parts of these Islands, and in many parts of central Europe and France, with rain in a few localities, and a thunderstorm at Limoges. Generally fair to fine elsewhere, but rain falling at Nicolaeff. A little rain later in the north-east and south-west of the United Kingdom, and heavy amounts at a few French stations, with thunder at Clermont-Ferrand. Large quantities of rain experienced in some parts of Russia; as much as 2.0 in. at Kieff.

Temperature fallen in Scandinavia and at many stations in these Islands. Morning readings ranging from nearly 90° in the interior of Algeria, and above 70° on several shores of the Mediterranean, as well as at Memel and Riga, to below 55° over a large area in this country, and in the far north of Europe. Rising to 79° at Obau during day, and to 76° at Valencia, but remaining below 60° in the north-east of Britain. Maxima between 70° and 80° in the central countries, above 80° in some French localities, and above 90° locally further south; reading 99° at Tunis, and above 100° in central Algeria.

Wind in morning mainly cyclonic except in the north-west of our area, but very few places reporting a greater force than a gentle breeze. Easterly current blowing a gale at Karlstad, and that from North-North-West equally strong at Skudesnaes. Increasing in force on several parts of our western and south-western coasts during day, but falling light in the south of Scandinavia.

Barometer in morning above 30.4 ins. in the east of Iceland and relatively high over the whole of the United Kingdom. Several shallow depressions shown on the Continent and over the Mediterranean region. General distribution of pressure irregular. No great change occurring later in day in the general distribution, but barometer falling over the major portion of our area.

Saturday, 16th July, 1910.

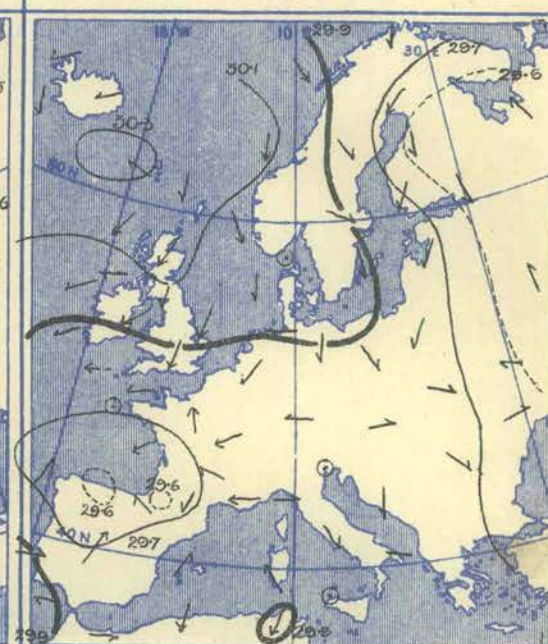
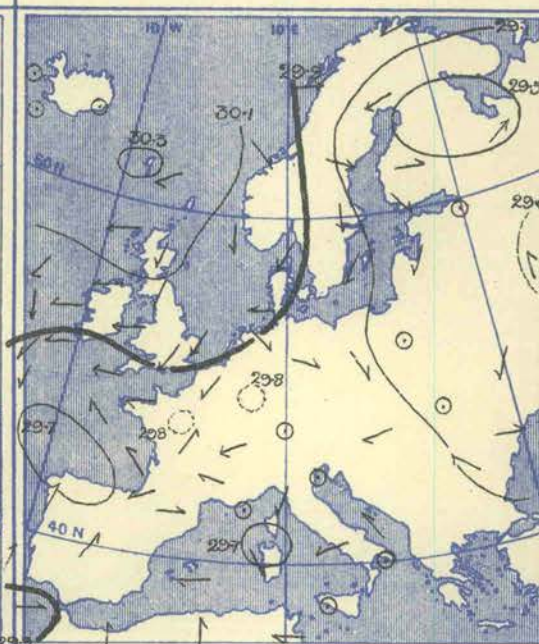
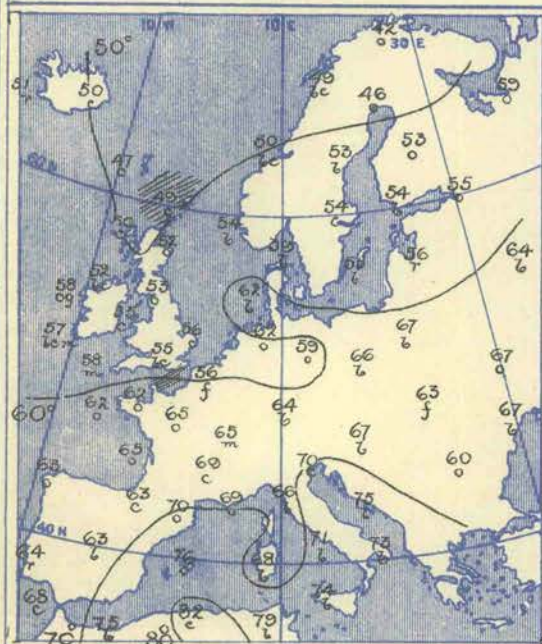
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning cloudy or overcast over a considerable portion of our area, with rain in Portugal and at Riga, but fair to fine in many other districts. Much cloud prevailing over England and the north of France. Some thunderstorms, with heavy rain, later at some of our southern stations and also over a large area in France. Remaining dry over a wide area on the Continent, but rain falling in various parts of Russia and Poland.

Temperature above 80° at some Algerian stations and above 70° over a large area in the south; 55° or below in most parts of the United Kingdom, and below 50° in the north of Scandinavia, and also at Nairn. Rising later to about 70° at a few stations in the south of England, but remaining below 60° at many in the east and north of the country. Maxima about 80° in many French localities, between 80° and 90° in southern Europe, and above 90° on the coast of Algeria.

Wind in morning fresh or strong from between North-West and North-East over the Gulf of Bothnia, and light or moderate from North or North-East over Norway and the United Kingdom generally, but drawing into East in the south and south-west of these Islands. Light breezes from various directions prevailing over the south of our area. No change of a general character later in day.

Barometer in morning ranging from above 30.3 ins. in an anticyclonic system centred near Thorshavn to below 29.5 ins. in a depression over the White Sea and Finland. Relatively low in a depression over the Bay of Biscay and in another over Corsica. Bay of Biscay disturbance increasing in depth during day and extending northward and north-eastward. Little modification occurring in the general distribution of pressure.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. July 16th, 9.45 a.m. to 11.45 a.m.	Brighton, 116 m.	{ Temperature Humidity .. Wind ..	289.2° 88% 65°, 14.8	237.5° 88% 40°, 13.14	236.5° 88% 90°, ?					289.0° 88% 90°, Calm	{ Half overcast, Cu.-Nb. not reached. Increasing Scud at 500 m., a calm above. Temp. at 300 m., 235.5°.

APPARATUS USED IN THE KITE ASCENT.

No. of Ascent.	1
No. of Kite ..	1
Area of Surface (sq. metres) ..	4.5
Length of Wire (metres) ..	1,150

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 233

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 29.

TWENTY-NINTH WEEK, SUNDAY, JULY 17TH, TO SATURDAY, JULY 23RD, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was of an unsettled type, rain falling on most days over nearly the whole of the United Kingdom. Thunderstorms were experienced at Hastings on the 17th, and at several places in the eastern half of Great Britain during the last few days of the period.

Temperature was below the normal, the deficiency amounting to nearly 3° in Scotland E. and England N.W. and to more than 2° in some other districts. The highest of the maxima occurred on rather irregular dates, mostly between the 20th and 22nd, and ranged from 76° in the Midland Counties and 74° in England E. to 66° in the English Channel. At some stations in the north the maximum temperature was occasionally below 60°. The lowest of the minima, which were recorded early in the week, ranged from 38° in England N.W., 39° in Scotland W. and 40° in Scotland N. and England S.E. to 45° in England E. and to 52° in the English Channel. The lowest grass readings were 31° at Newton Rigg, 33° at Southport, 34° at Sheffield and Aspatria, and 35° at Colmonell and Dumfries.

Mean Temperature of the Sea.—At most of the stations the water differed little from that of the corresponding week of last year, but at Plymouth it was 4° colder, and at Wick 6½° colder. The mean for the week ranged from 62° at Newquay and 61° at Margate and Eastbourne to 55° or less at many stations on the north-east and north-west coasts, and to 53° at Burnmouth.

Rainfall exceeded the average over the Kingdom generally, but was less in England S.E., and about the normal in the north and east of Scotland, England N.E., and the Midland Counties. On Wednesday more than an inch fell over a large area in the north-west of England, and also at Buxton, the largest measurements being 1.53 in. at Lancaster, and 1.31 in. at Stonyhurst.

Bright Sunshine amounted to considerably less than the average in almost all parts of Great Britain, but in Ireland and in Scotland W. there was an excess. The percentage of the possible duration ranged from 36 in Ireland S. and 35 in Scotland W. to 18 in England E. and S.E., 17 in Scotland N. and 14 in Scotland E.

Barometer and Wind.—At the commencement of the week the wind circulation was influenced by a barometrical depression which had advanced northwards from Spain to the north of France, and on the English coasts the Northerly and North-Easterly breezes blew with considerable strength. The depression subsequently travelled away to Germany and the Baltic, and in its rear a light Northerly current prevailed very generally. In the latter half of the week a new cyclonic disturbance advanced from the upper portion of the Atlantic, and moved slowly eastwards across Scotland and the North Sea. The passage of this system was marked by freshening breezes from South-West veering to North-West or North, and on Friday night the North-Westerly wind attained the force of a gale on some of the more exposed parts of our north-west coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 236.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, S.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Deficient
	Rainfall ...	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Scanty	Very scanty	Scanty	Very scanty	Scanty	Very scanty	Moderate	Moderate	Scanty	Moderate	Abundant	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 7 weeks from June 5th, 1910.	Warmth ...	3 * 2	1 * 4	2 * 4	2 * 3	3 * 4	2 * 4	3 * 3	2 * 3	1 * 3	4 * 2	1 * 2	1 * 4
		0 * 3	1 * 3	3 * 3	4 * 2	4 * 2	4 * 2	1 * 3	3 * 2	2 * 2	2 * 1	3 * 2	1 * 1
	Sunshine ...	3 * 2	3 * 3	1 * 4	0 * 5	1 * 4	1 * 4	4 * 1	3 * 1	1 * 2	2 * 2	3 * 2	1 * 4

PAST SEASONS.

SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

TWENTY-NINTH WEEK—July 17th to July 23rd, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Means of					Accumulated Number of Day-Degrees.					Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
		Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH		67	40	59·6	48·2	53·5	- 1·5	Day-deg. 81	Day-deg. - 10	Day-deg. 0	Day-deg. 0	4	- 1	Inches. 0·79	Inches. +0·01	21	- 8	% 17	% - 7
Eastern																			
1. SCOTLAND, EAST		67	43	60·1	49·1	54·2	- 2·7	85	- 19	0	0	4	0	0·70	-0·03	17	- 19	14	-16
2. ENGLAND, N.E.		72	42	63·4	52·1	57·4	- 1·3	108	- 9	0	0	4	+ 1	0·57	+0·03	26	- 17	23	-15
3. ENGLAND, EAST		74	45	66·0	54·3	59·7	- 1·0	124	- 7	0	0	5	+ 2	0·82	+0·23	20	- 26	18	-24
4. MIDLAND COUNTIES		76	41	65·3	51·9	58·1	- 2·0	113	- 14	0	0	3	0	0·57	-0·01	27	- 13	25	-12
5. ENGLAND, S.E.		71	40	64·5	54·3	59·1	- 2·5	120	- 17	0	0	4	+ 1	0·45	-0·10	20	- 28	18	-25
Western																			
6. SCOTLAND, WEST		70	39	62·5	49·2	55·5	- 1·9	95	- 13	0	0	4	0	0·91	+0·09	41	+ 3	35	+ 3
7. ENGLAND, N.W.		67	38	62·9	50·7	56·3	- 2·7	100	- 19	0	0	3	- 1	1·06	+0·34	37	- 3	32	- 2
8. ENGLAND, S.W.		70	42	63·4	53·0	57·9	- 2·1	111	- 15	0	0	5	+ 1	0·83	+0·08	29	- 14	26	-13
9. IRELAND, NORTH		67	43	62·5	50·4	56·0	- 1·4	98	- 10	0	0	5	0	1·00	+0·20	36	+ 6	32	+ 5
10. IRELAND, SOUTH		70	44	64·2	53·0	58·3	- 0·8	114	- 6	0	0	5	0	0·96	+0·24	40	+ 6	36	+ 5
11. ENGLISH CHANNEL		66	52	62·7	55·9	59·0	- 2·5	119	- 18	0	0	5	+ 1	0·65	+0·08	26	- 27	24	-24
THE SEASON (Summer).—Aggregates, &c., for the Period of 7 Weeks, June 5th to July 23rd, 1910.																			
0. SCOTLAND, NORTH		78	34	*	*	*	*	584	+ 10	0	- 2	21	- 7	3·04	-1·92	252	+ 19	29	+ 2
Eastern																			
1. SCOTLAND, EAST		80	30	*	*	*	*	591	- 58	0	- 1	23	- 1	2·92	-1·19	280	- 1	33	0
2. ENGLAND, N.E.		81	37	*	*	*	*	694	- 31	0	0	22	+ 1	3·20	+0·01	251	- 60	31	- 7
3. ENGLAND, EAST		83	39	*	*	*	*	781	- 36	0	0	26	+ 6	4·40	+1·01	249	- 91	31	-11
4. MIDLAND COUNTIES		83	40	*	*	*	*	778	- 26	0	0	22	+ 2	4·49	+1·04	259	- 47	32	- 6
5. ENGLAND, S.E.		81	39	*	*	*	*	811	- 46	0	0	24	+ 5	4·48	+1·32	261	- 87	33	-11
Western																			
6. SCOTLAND, WEST		81	37	*	*	*	*	716	+ 20	0	0	18	- 7	3·86	-1·26	366	+ 69	44	+ 8
7. ENGLAND, N.W.		81	38	*	*	*	*	749	- 9	0	0	19	- 4	4·99	+0·89	344	+ 33	42	+ 4
8. ENGLAND, S.W.		81	34	*	*	*	*	752	- 47	0	0	23	0	5·14	+1·13	294	- 87	37	- 5
9. IRELAND, NORTH		79	37	*	*	*	*	690	- 10	0	0	25	- 4	5·37	+0·75	305	+ 52	37	+ 6
10. IRELAND, SOUTH		79	41	*	*	*	*	770	- 4	0	0	27	+ 2	5·22	+0·87	304	+ 23	38	+ 3
11. ENGLISH CHANNEL		79	47	*	*	*	*	809	- 42	0	0	23	0	4·16	+0·96	307	- 90	39	-12
THE YEAR.—Aggregates, &c., for the Period of 29 Weeks, January 2nd to July 23rd, 1910.																			
0. SCOTLAND, NORTH		78	2	*	*	*	*	1037	+ 15	595	+ 38	133	+ 1	27·65	+1·85	792	+64	30	+ 2
Eastern																			
1. SCOTLAND, EAST		80	-10	*	*	*	*	1103	- 77	636	+ 16	114	+ 6	15·50	+0·13	876	+27	33	+ 1
2. ENGLAND, N.E.		81	6	*	*	*	*	1332	+ 55	454	- 21	103	+11	12·60	+1·02	850	- 63	32	- 2
3. ENGLAND, EAST		83	17	*	*	*	*	1547	+ 39	393	-128	112	+17	14·71	+3·00	948	- 27	36	- 1
4. MIDLAND COUNTIES		83	10	*	*	*	*	1533	+ 10	474	- 59	111	+17	14·63	+1·47	883	+11	34	0
5. ENGLAND, S.E.		81	13	*	*	*	*	1612	- 12	294	- 87	114	+24	16·23	+3·46	964	+15	37	+ 1
Western																			
6. SCOTLAND, WEST		81	0	*	*	*	*	1334	+ 46	432	+ 7	120	+ 6	23·33	+0·33	940	+70	36	+ 3
7. ENGLAND, N.W.		81	7	*	*	*	*	1409	+ 27	338	- 48	123	+19	20·43	+1·13	972	+90	37	+ 3
8. ENGLAND, S.W.		81	8	*	*	*	*	1524	- 40	242	- 59	119	+16	21·02	+2·93	989	+21	38	+ 1
9. IRELAND, NORTH		79	7	*	*	*	*	1343	- 17	351	+ 6	136	+12	22·08	+3·50	844	+31	32	+ 1
10. IRELAND, SOUTH		79	18	*	*	*	*	1588	- 5	258	- 1	138	+27	23·71	+3·84	899	- 3	34	0
11. ENGLISH CHANNEL		79	28	*	*	*	*	1742	- 28	54	- 55	117	+ 7	18·57	+3·45	1078	- 83	42	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

‡ The corresponding value for Reports Nos. 26, 27, and 28 slightly altered owing to the receipt of further information.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall stations. The Sunshine is recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m. or 11 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *a* is supplied by the Royal Meteorological Society, and for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.											
																		Above 42°		Below 42°
0. SCOTLAND, N.	a, Islands.	p Baltasound	62	22nd	43	20th	56.4	47.8	51.8	—	69	0	0	1.11	—	26.0	—	21	Baltasound.
	a Sumburgh Head	64	22nd	40	20th	57.6	46.7	51.8	— 0.6	69	0	0	0.32	— 0.23	12.9	— 18.4	11	Deerness.	
	a Stornoway	63	18th	47	17th, 18th	59.3	48.7	53.6	— 0.7	81	0	0	1.27	— 0.58	31.1	— 1.4	26	Stornoway.	
	a Castlebay, Barra Isd.	61	19th, 22nd	47	18th	59.4	51.3	55.1	— 1.4	92	0	0	0.64	—	37.8	—	32	Castlebay.	
	a Wick	65	21st	40	19th	58.7	48.0	53.0	— 1.4	77	0	0	0.31	— 0.30	—	—	—	Strathpeffer.	
	p Strathpeffer	67	21st	48	17th, 18th	61.2	49.3	54.8	— 1.3	90	0	0	0.38	— 0.25	14.5	— 14.7	12	—	
	p Glencarron	61	21st	42	18th	58.1	46.8	52.1	— 1.8	71	0	0	1.32	— 0.07	—	—	—	Fort Augustus.	
	p Fort Augustus	66	22nd	43	20th	60.9	49.3	54.7	— 1.2	89	0	0	0.62	— 0.05	24.5	— 2.0	21	—	
	p Fort William	65	18th	44	20th	61.4	48.7	54.6	— 1.6	88	0	0	1.34	— 0.19	—	—	—	—	
1. SCOTLAND, E.		p Gordon Castle	67	22nd	47	17, 18, 23rd	61.2	48.7	54.5	— 2.2	88	0	0	0.35	— 0.43	15.2	—	13	Gordon Castle.
	a Nairn	65	21st, 22nd	47	17th, 19th	60.0	48.9	54.1	— 2.5	85	0	0	0.35	— 0.22	14.8	—	12	Nairn.	
	a Aberdeen	66	21st	47	19th	61.6	50.6	55.7	— 0.7	96	0	0	0.46	— 0.17	11.7	— 24.9	10	Aberdeen.	
	a Balmoral	61	20th	43	17th, 18th	57.4	44.9	50.7	— 3.6	61	0	0	0.47	— 0.18	9.4	—	8	Crathes S.	
	p Crieff	67	21st	46	17th	61.1	49.1	54.7	— 3.2	89	0	0	0.79	— 0.11	26.4	—	23	Balruddery.	
	a Leith	64	23rd	48	19th	60.7	52.6	56.4	— 2.0	101	0	0	0.76	— 0.16	—	—	—	Edinburgh.	
	a West Linton	63	21st	46	17, 18, 19th	58.8	48.5	53.3	— 2.1	79	0	0	1.22	—	22.5	—	20	West Linton.	
	p Marchmont	65	21st	44	19th	59.9	49.6	54.4	— 2.1	87	0	0	1.21	— 0.46	21.2	— 17.0	18	Marchmont.	
		a Cockle Park	69	21st	47	20th	62.5	51.0	56.4	— 0.9	101	0	0	0.44	— 0.20	21.0	—	18	Cockle Park.
2. ENGLAND, N.E.	a, North.	a Shields	67	21st, 22nd	49	19th	62.1	50.9	56.1	— 1.6	99	0	0	0.38	— 0.18	15.2	— 17.5	13	Newcastle.
	p Durham	68	21st	49	18th, 19th	62.1	50.9	56.1	— 2.7	99	0	0	0.43	— 0.13	21.0	— 16.7	18	Durham.	
	p Rounton	67	21st	48	19th	61.5	50.1	55.8	— 1.8	97	0	0	1.03	— 0.41	—	—	—	Scarborough.	
	p Scarborough	72	21st	51	20th	65.1	53.1	58.7	— 0.0	117	0	0	0.47	— 0.08	23.2	—	25	York.	
	p York	70	22nd	48	18th	64.4	52.6	58.1	— 2.0	113	0	0	0.74	— 0.17	33.6	— 6.4	30	—	
	a Spurn Head	69	22nd	52	18th, 19th	62.9	54.3	58.3	— 1.4	114	0	0	0.41	— 0.03	—	—	—	Skegness.	
	a Lincoln	69	21st	43	19th	65.2	52.5	58.4	— 2.7	115	0	0	0.67	— 0.17	24.1	—	21	Raebury.	
	a Fulbeck	68	22nd	42	19th	65.2	52.4	58.4	— 2.4	115	0	0	0.42	— 0.10	30.2	—	27	Louth.	
		p Cromer	72	21st	50	23rd	63.8	53.1	58.1	— 1.9	113	0	0	1.20	—	20.1	—	18	Cromer.
3. ENGLAND, E.	a, North.	p Hillington	71	21st	45	19th	65.4	52.9	58.7	— 1.9	117	0	0	1.31	— 0.71	18.4	— 26.9	16	Hillington.
	a Yarmouth	74	21st	54	19th	66.1	55.3	60.3	— 0.1	128	0	0	0.34	— 0.20	22.4	—	20	Yarmouth.	
	a Norwich	73	21st	49	19th	66.0	54.9	60.1	— 0.2	127	0	0	0.96	—	—	—	—	Geldeston.	
	p Geldeston	74	21st	51	19th	67.1	55.1	60.7	— 0.2	131	0	0	1.70	— 1.20	15.1	— 33.2	14	Cambridge.	
	p Cambridge	72	21st	45	19th	66.6	53.9	59.8	— 2.1	125	0	0	0.45	— 0.07	26.3	— 20.9	24	Felixstowe.	
	a Felixstowe	72	21st	53	19th	66.0	55.6	60.4	— 1.3	129	0	0	0.52	—	26.7	—	24	Clacton.	
	a Clacton-on-Sea	71	21st	53	19th	66.9	55.9	61.0	— 0.7	133	0	0	0.38	—	17.6	—	16	Rothamsted.	
	a Rothamsted	70	21st	45	19th	64.5	52.7	58.2	— 2.2	113	0	0	0.47	— 0.08	20.4	— 28.3	18	Southend.	
	a Shoeburyness	69	21st	52	19th	65.6	55.4	60.1	— 3.1	127	0	0	0.24	— 0.16	21.9	—	19	Tottenham.	
4. MIDLAND COUNTIES.		p Tottenham	72	21st	47	19th	67.5	54.5	60.6	— 1.4	130	0	0	0.54	—	21.5	—	19	—
	a, East.	a Harrogate	66	22nd	46	19th	61.7	50.1	55.5	— 2.0	95	0	0	1.19	— 0.65	33.1	—	29	Harrogate.
	a Bawtry	70	22nd	41	19th	66.9	50.4	58.1	— 2.1	113	0	0	0.74	— 0.22	35.3	— 2.2	31	Workshop.	
	p Buxton	66	18th	46	17th	61.3	49.1	54.8	— 3.1	90	0	0	1.37	— 0.52	38.3	—	34	Buxton.	
	a Nottingham	68	21st, 22nd	47	19th	65.3	52.4	58.4	— 2.3	115	0	0	0.38	— 0.13	32.6	—	29	Nottingham.	
	p Birmingham, Edgbn	68	18th	49	18th	63.9	52.6	57.9	— 2.3	111	0	0	0.59	— 0.09	23.2	—	21	Birmingham.	
	a Raunds	73	21st	42	19th	67.9	52.8	59.8	— 1.4	125	0	0	0.25	—	—	—	—	Oxford.	
	a Oxford	69	21st	44	19th	65.4	53.1	58.8	— 2.8	118	0	0	0.30	— 0.24	19.2	— 26.5	17	Sheffield.	
	a Cheadle	68	18th	45	19th	63.4	50.2	56.3	— 2.0	100	0	0	1.11	— 0.48	36.4	—	32	—	
5. ENGLAND, S.E.	b, West.	p Shrewsbury	69	18th	45	20th	65.1	51.7	57.9	— 1.6	111	0	0	0.46	—	—	—	—	—
	a Hereford	76	21st	50	18th	67.1	53.5	59.8	— 0.5	125	0	0	0.28	— 0.22	—	—	—	Cirencester.	
	a Cirencester	75	21st	44	19th	67.2	51.3	58.7	— 0.9	117	0	0	0.25	— 0.30	19.2	— 25.8	17	Bath.	
	a Bath	68	20th	46	19th	66.0	54.1	59.6	— 1.4	123	0	0	0.39	— 0.19	20.1	—	18	Ramsgate.	
		p Kew	70	21st	48	19th	65.8	55.2	60.1	— 2.1	127	0	0	0.78	— 0.26	17.4	— 29.5	16	Kew.
	a Marlborough	66	19th, 21st	40	19th	64.0	52.0	57.6	— 2.1	109	0	0	0.69	— 0.14	14.0	— 28.0	13	Marlborough.	
	a Margate	67	21st	53	19th, 20th	64.9	55.4	59.8	— 2.1	125	0	0	0.35	— 0.09	12.5	— 34.3	11	Margate.	
	a Wisley, Surrey	68	19th, 21st	46	19th	65.0	54.3	59.3	— 3.4	121	0	0	0.24	—	18.8	—	17	Wisley.	
	a Swaraton	66	19th	45	19th	64.3	52.8	58.2	— 1.8	113	0	0	0.39	— 0.14	24.6	—	22	Worthing.	
6. LONDON.		a Tunbridge Wells	67	19th, 23rd	49	19th	64.2	53.3	58.4	— 2.5	115	0	0	0.29	— 0.21	19.5	— 28.1	18	Tunbridge Wells.
	a Dungeness	69	23rd	54	19th	64.0	53.3	59.9	— 1.2	125	0	0	0.53	— 0.14	17.2	—	16	Littlestone.	
	p Hastings	71	17th	52	20th	64.2	55.2	59.4	— 1.7	122	0	0	0.34	— 0.15	22.8	— 31.5	21	Hastings.	
	a Southampton	68	23rd	48	19th	65.5	54.5	59.6	— 3.4	123	0	0	0.39	— 0.14	21.4	— 29.1	19	Southampton.	
	a Ventnor	69	23rd	50	19th	63.3	54.2	58.4	— 3.5	115	0	0	0.48	— 0.00	25.4	— 24.3	23	Ventnor.	
		a Westminister	70	21st	49	19th	65.7	54.9	59.9	— 2.3	125	0	0	0.80	— 0.30	17.1	— 35.9	16	Eastbourne.
	a Greenwich	73	21st	48	19th	68.1	54.2	60.7	— 2.4	131	0	0	1.22	— 0.69	17.1				

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound ..	—	—	54.6	—	Harrogate ..	0	43	56.6	55.5	6. Dumfries ..	0	35	60.7	59.0
1. Aberdeen ..	—	—	—	53.0	Huddersfield ..	0	38	59.6	54.6	Douglas ..	0	43	—	—
Crathes ..	0	40	56.5	53.9	Buxton ..	0	30	58.1	53.2	Aspatia ..	0	34	58.8	54.5
Balmoral ..	0	40	—	—	Sheffield ..	0	34	57.3	54.0	Newton Rigg ..	0	31	59.4	55.8
West Linton ..	0	43	—	—	Nottingham ..	0	40	59.6	57.2	Burnley ..	0	36	58.3	54.2
Marchmont ..	0	39	56.7	—	Birmingham ..	0	41	54.9	51.7	Southport ..	0	33	62.3	60.3
Cockle Park ..	0	42	57.8	55.1	Oxford ..	0	—	—	—	Manchester City ..	0	46	59.6	57.1
Durham ..	0	48	—	—	Hereford ..	0	45	—	—	Bettws-y-Coed ..	0	41	56.9	54.3
2. York ..	—	—	59.6	56.0	Cirencester ..	0	39	58.7	56.4	Llangammarch Wells ..	0	37	58.6	54.4
Hull ..	0	48	59.4	54.0	Bath ..	—	—	62.1	60.1	Cardiff ..	0	46	59.8	57.5
Lincoln ..	—	—	59.6	55.4	Margate ..	0	52	59.8	56.9	Clifton ..	0	43	—	—
Raiceby ..	0	39	62.8	57.1	Greenwich ..	0	42	—	—	Plymouth ..	0	46	—	—
Norwich ..	0	45	—	—	Westminster ..	0	45	—	—	3. Armagh ..	0	38	62.9	58.2
Yarmouth ..	—	—	62.0	58.6	Kew ..	0	41	60.7	56.9	Markree ..	0	37	62.3	57.1
Lowestoft ..	0	49	62.2	58.1	Canterbury ..	0	52	59.7	59.4	10. Dublin, Trin. Coll. ..	0	41	60.1	57.2
Cambridge ..	0	40	61.3	58.0	Tunbridge Wells ..	0	45	62.0	—	11. Guernsey, Brooklyn ..	0	46	60.5	59.0
Clacton-on-Sea ..	0	49	60.5	58.1	Wisley ..	0	41	60.6	58.1					
Southend ..	0	49	61.3	—	Worthing ..	0	48	62.7	58.8					
Tottenham ..	0	44	—	58.5	Portsmouth ..	—	—	—	—					
					6. Glasgow ..	0	40	—	—					
					Rothsay ..	—	—	—	55.0					
					Colmonell ..	0	35	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick ..	55	54	54.4	SCOTLAND, W.	Lamlash ..	55	54	54.7
	Kirkwall ..	55	55	55.0		Ballantrae ..	55	54	54.4
	Wick ..	52	52	52.0	ENGLAND, N.W.	Port Erin ..	57	54	55.0
SCOTLAND, E.	Cromarty ..	59	56	57.2		Newquay ..	62	62	62.0
	Pennan Bay ..	56	54	54.7		Scilly ..	58	56	56.9
	Aberdeen, Cove Bay ..	55	54	54.3	ENGLAND, S.W.	Plymouth ..	58	58	57.8
ENGLAND, N.E.	Burnmouth, Berwick ..	53	52	52.7		Salcombe ..	57	57	57.0
	Scarborough ..	59	54	55.8		Sheephaven ..	59	58	58.6
ENGLAND, E.	Shipwash Lightship ..	61	59	59.5	IRELAND, N.W.	Teelin ..	65	57	59.5
	Margate ..	61	60	60.6		Cleggan ..	64	58	59.3
ENGLAND, S.E.	Eastbourne ..	61	60	60.6	IRELAND, S.W.	Seafield ..	63	56	59.7
					IRELAND, E.				

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

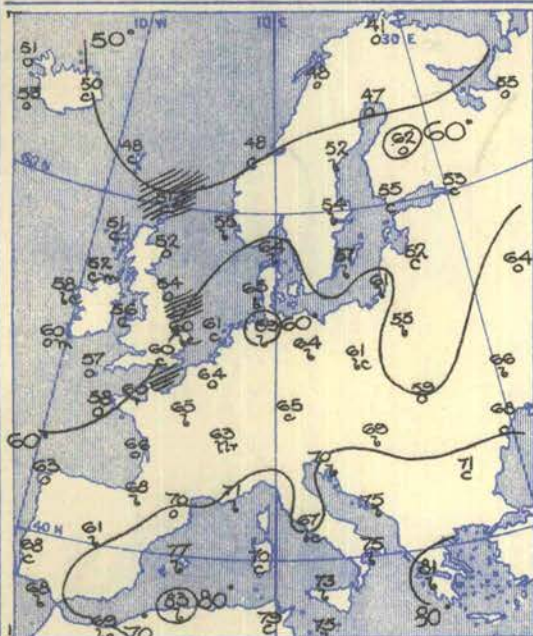
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 17th July, 910.

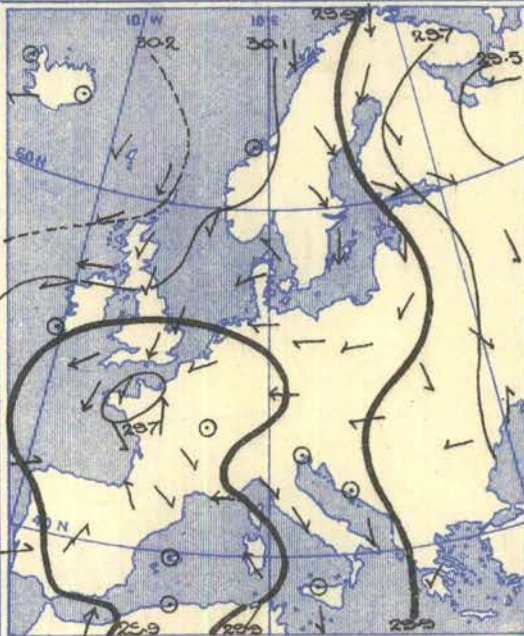
Temperature and Weather.

7 a.m.

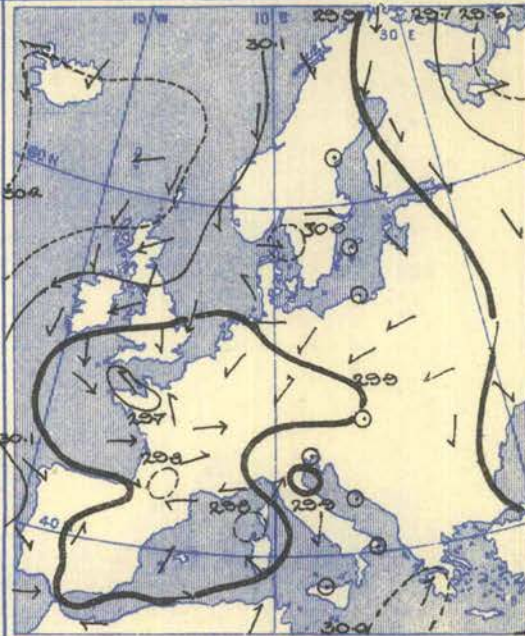


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or overcast in these Islands and their immediate vicinity, with rain in the south-east and over the north of France; a thunderstorm prevailing at Cape Gris Nez and also at Belfort. Fair to bright generally elsewhere, but overcast in northern Russia. Heavy rains and thunderstorms later over a large portion of France and in Switzerland; more than an inch of rain in several places. Heavy rain, 0.86 in. falling at Portland Bill, and about an inch at Archangel.

Temperature risen somewhat in England. Morning readings ranging from about 60° in the south and south-east of England, to 50° at Wick, and to below 50° in the far north of the Continent, and to above 70° over a very large area in the south of Europe. Readings above 80° at Athens and at some stations in Northern Africa. Maxima during day about 70° in the south of England and also at Oban, but below 60° on the north-east coast of Britain; above 80° at many stations in France and southern Europe, and above 90° in Greece, Algiers, and at Florence.

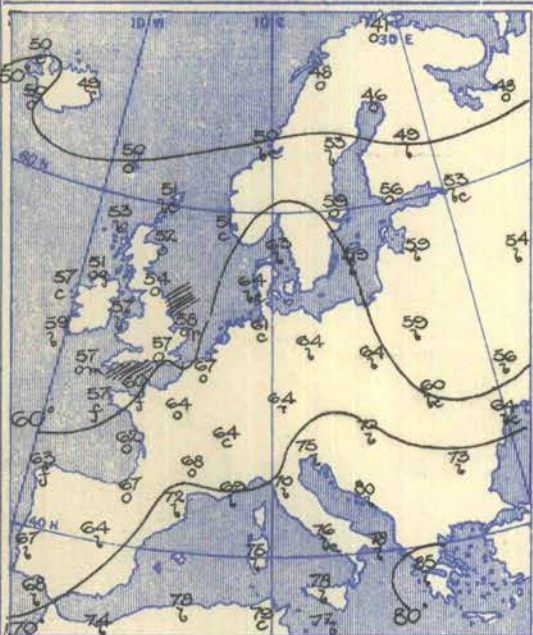
Wind in morning cyclonic very generally; Northerly to North-Easterly current moderate to fresh or strong over Scandinavia and England, but light in Scotland and Ireland. North-Westerly current moderate to strong on the Atlantic coast of the Peninsula. No change of importance during day.

Barometer in morning above 30.2 ins. between Scotland and Iceland; below 29.7 ins. in a depression centred over the north of France and the Channel, nearly as low in a system over Spain, and below 29.5 ins. over the north of Russia. French depression undergoing some modification in intensity and depth during day, but not much change taking place in the general distribution of pressure. A rise of the barometer setting in in the west of these Islands.

Monday, 18th July, 1910.

Temperature and Weather.

7 a.m.

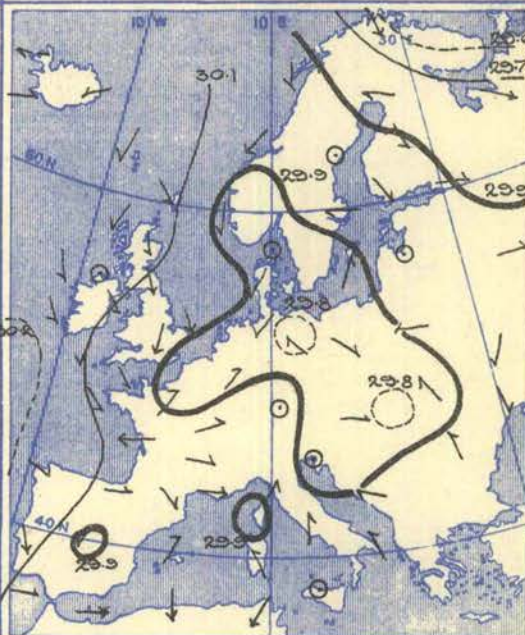


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over the major portion of our area, but overcast in Scotland, the south-east of England, and the nearer regions of the Continent, and rainy at Great Yarmouth, Groningen, and at some German stations. Some rain falling later in the south-east of England—heavily in some parts of London—and also in the Low Countries, Germany, Austria, and Switzerland.

Temperature showing no decided change. Morning readings ranging from above 80° at some stations in the extreme south and south-east of our area, and between 70° and 75° over the Mediterranean and southern Europe generally, to below 55° in most parts of the United Kingdom, and to below 50° over a large district in the north of the Continent. Maxima below 60° in London and in several other parts of Great Britain, but between 75° and 80° at most places over the southern half of the Continent, above 80° in many localities, and 90° at Buda Pesth. Thermometer rising to 100° at Tunis.

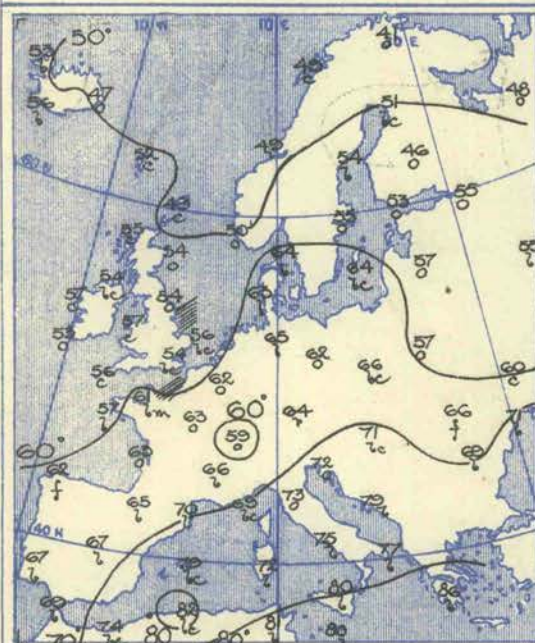
Wind in morning circulating cyclonically in almost all parts of our area, but with very little force. Scarcely any station reporting a greater strength than a moderate breeze. A gale from North, however, prevailing at Vardö. Little change later; becoming more Northerly over England and the Channel; veering to North-West and increasing to a strong gale at Vardö.

Barometer in morning above 30.1 ins. in the north and north-west of these Islands and over a large area on the Atlantic; below 29.7 ins. in a large depression over the White Sea, and relatively low in other systems over Germany, France and the Mediterranean. Subsequent changes slight. Pressure increasing over England and Ireland, decreasing in Scotland.

Tuesday, 19th July, 1910.

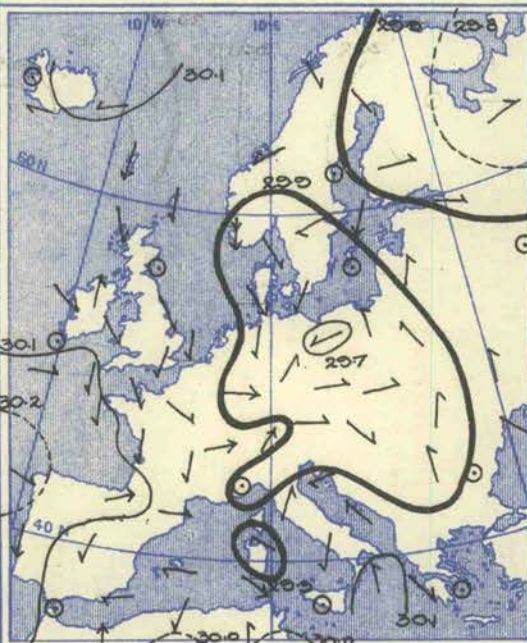
Temperature and Weather.

7 a.m.

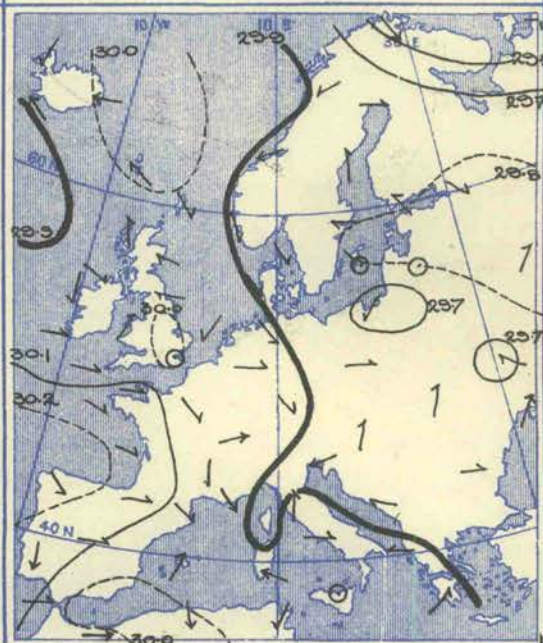


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning varying a good deal; fair to fine in most regions, but overcast in the north and west of these Islands and in considerable areas elsewhere, and rainy at a few stations in central Europe. Slight rain later in most parts of these Islands, and larger amounts in various parts of the Continent. Remaining dry in all the southern regions.

Temperature fallen, or changed little and irregularly. Morning readings ranging from 86° at Patras, and about 80° over a large area in the far south, to below 55° in nearly all parts of these Islands, and to below 50° at several places in the extreme north of the Continent. Maxima during day below 65° at most of our own stations, and below 60° on the north-east coast. Thermometer rising to between 70° and 80° in the central and southern countries, to above 80° at many places in the far south, and to above 90° at Pesaro, Madrid, Bucharest, and at Athens and Patras. Maximum at Biskra 122°.

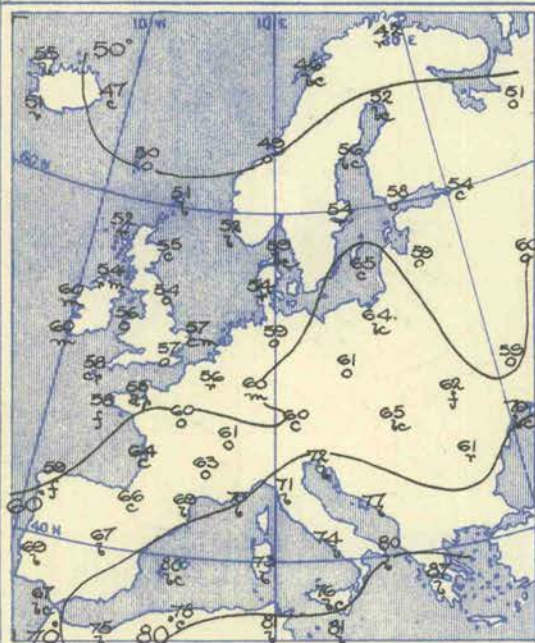
Wind in morning mainly Northerly over the North Sea and Britain, France, and Spain; rather variable and very light airs prevailing in Ireland. Light winds, chiefly from some point between South-East and South-West, over Poland and a large portion of Russia. Becoming very variable by evening in this country and its immediate neighbourhood. Northerly wind decreasing from a gale to a strong breeze at Skudensnaes.

Barometer in morning above 30.2 ins. to the westward of Spain, and above 30.1 ins. in Iceland. Below 29.7 ins. in a depression centred over North Germany, and below 29.8 ins. in a large system over the White Sea and its neighbourhood. A large depression beginning to spread over these Islands from the Atlantic during day, and a very shallow disturbance forming over central England. German depression travelling slowly eastward.

Wednesday, 20th July, 1910.

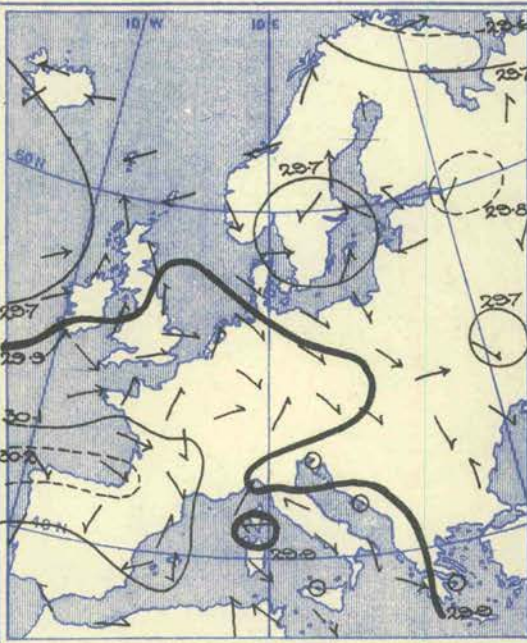
Temperature and Weather.

7 a.m.

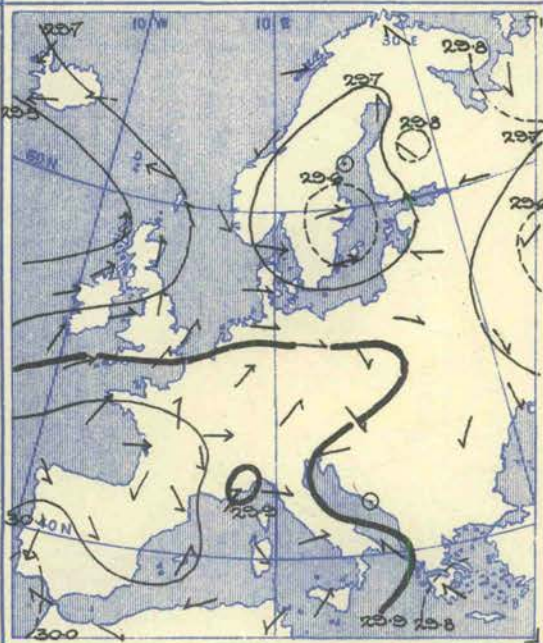


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally unsettled over the north-western countries, with rain in some parts of these Islands and in a few localities elsewhere. Mostly fair to fine and bright in southern and Eastern Europe, but rain falling at Hermaustadt. Considerable or heavy falls of rain later in the United Kingdom, about 0.9 in. in the north-west of England, and some heavy amounts in some parts of Russia, and also at Trieste.

Temperature risen in these Islands, fallen or changed little elsewhere. Morning readings ranging from 87° at Patras, and about 80° at many stations in the south, to about 60° over a very wide area further north, and to below 50° in the extreme north-west and north of Scandinavia. Rising to 108° later at Cape de Garde, 97° at Madrid, above 90° at several other places in the far south, and to above 80° at a few stations in the south of France. Maxima below 70° in most parts of Germany and at all our own stations except those in South Devon, and only about 60° on our northern and north-eastern coasts.

Wind in morning mainly South-Westerly to Southerly and of little force in the United Kingdom, and Easterly in Iceland; a complete cyclonic circulation prevailing over Scandinavia, and light variable winds over the Mediterranean. Increasing considerably in force over these Islands by evening and during night, but changing little elsewhere.

Barometer in morning above 30.2 ins. over the north of Spain, and low in a large depression some distance to the west of the United Kingdom, as well as in some very shallow disturbances in other parts of our area. Atlantic depression extending over these Islands during day, and gradient increasing decidedly over the whole Kingdom, and also over the English Channel. Very little change occurring over the eastern half of our area.

Thursday, 21st July, 1910.

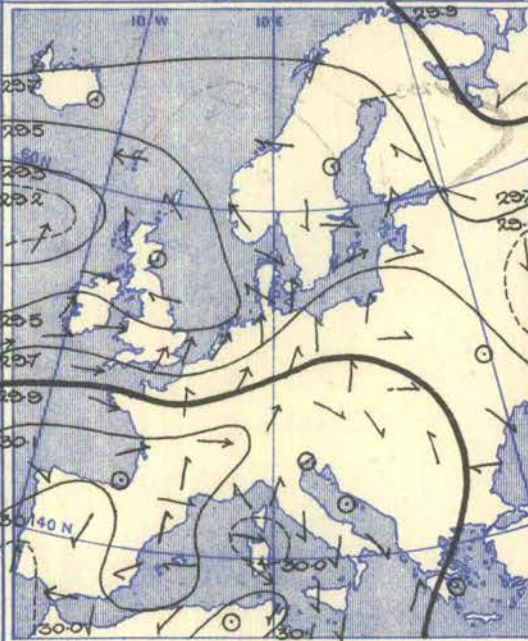
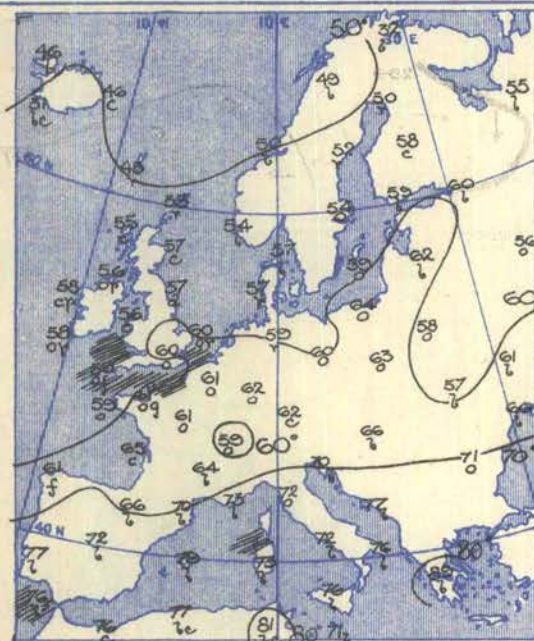
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning very unsettled throughout these Islands and their neighbourhood, with rain or passing showers in several localities; dull and rainy in the north of Sweden, and cloudy or overcast in most parts of central Europe. Fair to very fine over the Mediterranean region and in the south of Russia. Some rain later in these Islands and their immediate vicinity, as well as in Germany and Denmark; more than 0.5 in. at Jersey, Flushing, and Memel, and about 0.8 in. at Fano.

Temperature about 60° over a large portion of these Islands and over a very wide area in central Europe and Russia; between 70° and 80° at most stations in the south of our area, and above 80° in places. Thermometer standing at 87° at Patras, and 89° at Athens. Readings no higher than 50° on the north-west coast of Norway. Rising to about 70° during day in the east and south-east of England, and touching 74° at Great Yarmouth. Maxima above 80° in many parts of France and Italy, as high as 91° at Palermo, and 102° at Madrid.

Wind in morning fresh or strong from the Westward over Ireland, England, and the north of France, with a gale at some of the Channel stations; light and variable in Scotland, and a moderate to strong Easterly current between that country and Iceland. Separate cyclonic movements of little strength over Scandinavia and the Mediterranean. Remaining fresh to strong all day in Ireland and England, but gale ceasing in the Channel; increasing to a strong breeze or high wind from the Westward on the coast of Jutland.

Barometer in morning ranging from above 30.1 ins. in an irregularly shaped area in the south-west of Europe, to below 29.6 ins. in cyclonic systems lying over Russia and Scandinavia, and to a considerably lower figure in a disturbance off the west of Scotland. A very shallow depression shown over Corsica. Depression on the Atlantic making very little progress eastward during day, but a secondary elongation extending eastward to Denmark and the south of Sweden. Gradient becoming less steep over the south of England.

Friday, 22nd July, 1910.

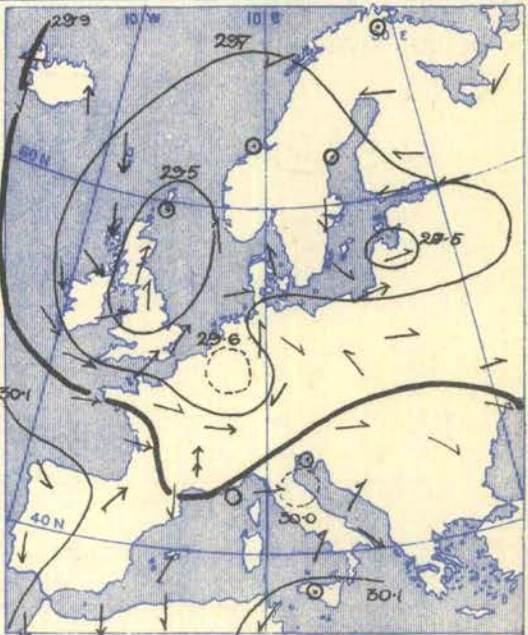
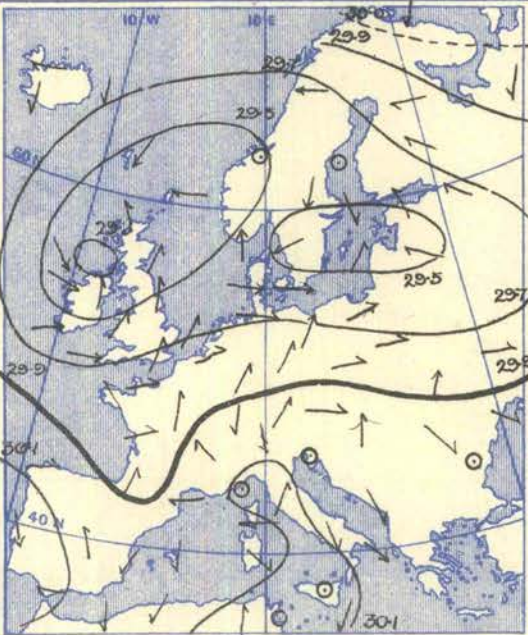
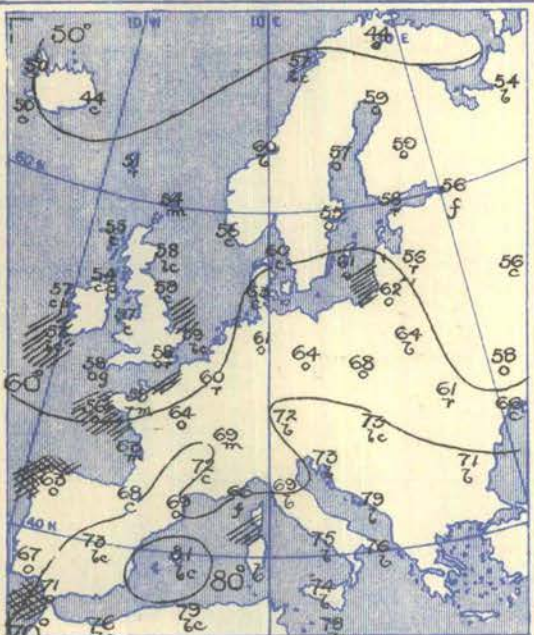
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning generally very cloudy or overcast in the United Kingdom and over the north-western portion of our area generally, with passing showers or steady rain in places. Rain also falling at Prague, Lemberg, and at some Russian stations. Fair to very fine in nearly all parts of southern Europe and over the Mediterranean. Showers falling later at most of our stations, and heavy rains at some places over the western and central countries of the Continent; 0.9 in. at Munich and Wisby. Thunder occurring on the east coast of England, and thunderstorms in various parts of France.

Temperature risen over the greater part of the Continent, changed little in these Islands. Morning readings ranging from a few degrees on either side of 60° over the major portion of northern Europe, to about 70° over a large area in the centre and south, and to above 80° at some places within the Mediterranean region. Maximum during day only 53° at Wick, but above 65° in the southern districts of these Islands. Thermometer rising to 106° at Algiers, to above 90° in some parts of Spain and at Clermont and Buda-Pesth, and to above 80° at many places in the southern regions.

Wind in morning showing two distinct cyclonic circulations; both over the northern half of our area. Westerly and South-Westerly currents fresh to strong over the south of these Islands and North Germany, and Easterly wind strong at Bodö. A high wind from the North-Eastward prevailing at Toulouse. Veering some points later in the west and north-west of this country. Increasing to a strong gale from South at Lyons, and to a high wind from West-South-West at Limoges.

Barometer in morning above 30.1 ins. in the extreme south-west and south of our area; below 29.5 ins. in a depression over the Baltic, and below 29.3 ins. in another having its centre off the west of Scotland. Latter system moving eastward during day, and reaching the North Sea by evening. Increase of pressure very brisk in its rear in the west and north-west of these Islands. A small depression appearing over central France, and another over western Germany.

Saturday, 23rd July, 1910.

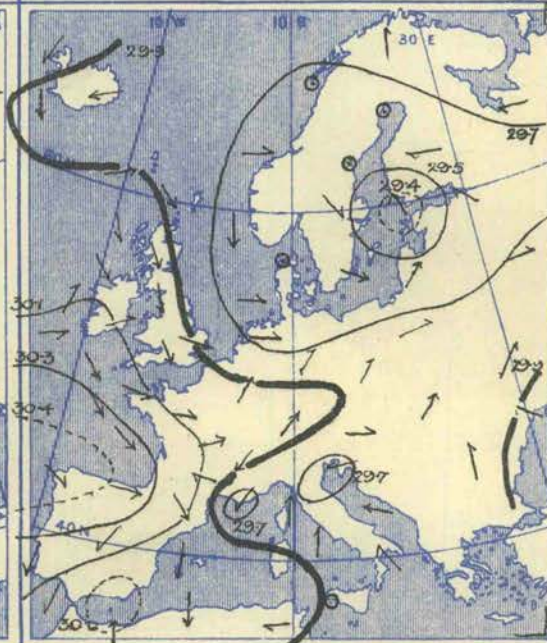
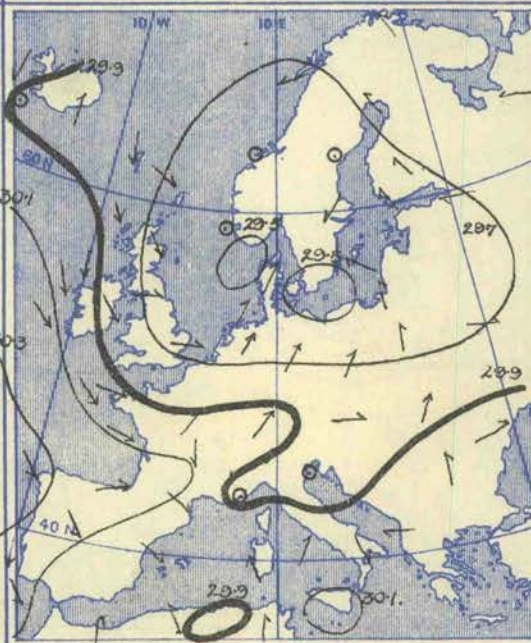
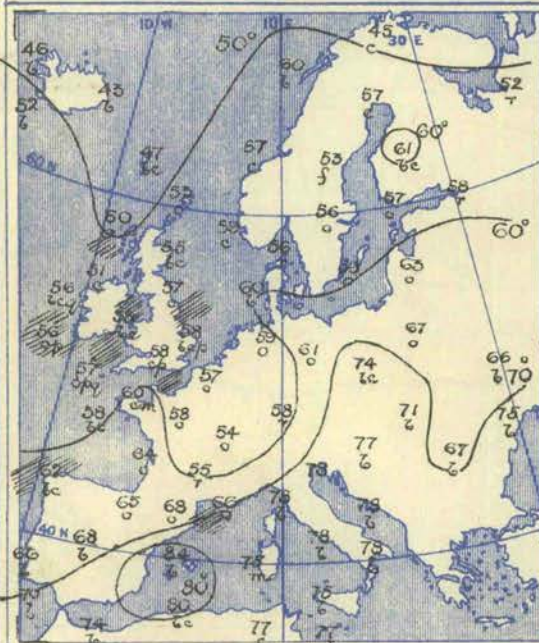
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning very variable over the United Kingdom and its neighbourhood, but mostly cloudy, with some showers locally. Rainy at Munich and over the Gulf of Finland, the Baltic, and Denmark, and overcast in nearly all parts of France. Fair to very fine over the Mediterranean region. Some rain later in various parts of these Islands and at many stations in the central and northern countries of the Continent, as well as at Oporto and Trieste. Thunderstorms in a few French localities.

Temperature fallen in most regions. Morning readings ranging from 91° at Annale, 84° at Palma and above 75° over a large area in the south, to below 60° in the north of France and at nearly all our own stations, to 51° at Malin Head and Wick, and to 45° at Vardö. Maxima during day above 65° in many parts of England, but below 60° at several places in the north of the Kingdom. Thermometer rising to about 90° in some parts of central Europe and at many places in the south, and touching 104° at Malaga. Maxima above 70° in the extreme north of Sweden.

Wind in morning cyclonic over nearly the whole of our area. North-Westerly current fresh to strong or high over these Islands and the Channel, and that from the South-Westward moderate to high in Germany. Very little force and rather variable winds prevailing over the Mediterranean. Wind backing by evening in the west and north of Ireland. Increasing in force in the south of France and on some shores of the Mediterranean; blowing a gale from South-West at Memel.

Barometer in morning above 30.3 ins. in the north-west of Spain; below 29.5 ins. in two separate minima lying respectively over the North Sea and the Baltic. Relatively low over Italy and the Mediterranean. Pressure increasing decidedly during day over Great Britain, but very little increase in Ireland, and a slight fall taking place in Iceland. A deep depression developing over the Riviera and its neighbourhood.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. July 17th, 10.15 a.m. to 12.30 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	290° 88% 70°, 12	288.5° 88% 70°, 12	287° 86% 90°, 13.5	284° 88% 130°, 15	287.4° 88% 140°, 14.5				Overcast St., rain at times. Lowest cloud 345 m. at ascent, 710 m. at descent. Overcast St., lowest 200 m. above sea. Temp. 283.5° at 700 m. Kite not seen at greatest height; wind velocity uncertain, but over 23 m.p.s. St. and Squall Cu., lowest 875 m. above sea. Rain shower 11.58 a.m. Nearly clear, a little light Cu. and Cl. Clouds not reached. Erratic ground wind.
2	July 21st, 8.0 p.m. to 4.50 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	286.8° 100% 260°, 13	286.4° 106% 260°, 15.7	285° 90% 270°, 15.7						
3	July 23rd, 10.0 a.m. to 1.0 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	289.3° 76% 310°, 9	287.0° 86% 320°, 13.5	284° 90% 310°, 13.0	280° 86% 320°, 13					
4	July 23rd, 8.45 p.m. to 6.30 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	290.5° 68% 310°, 10.5	290.0° 68% 310°, 11	286° 70% 330°, 10	283° 80% 330°, 13					

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4
No. of Kite ..	2	1	2	2
Area of Surface (sq. metres) ..	10	4.5	13	1.
Length of Wire (metres) ..	2,000	1,500	2,000	1,800

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 241

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 30.
Vol. XXVII. (New Series.)

THIRTIETH WEEK, SUNDAY, JULY 24TH, TO SATURDAY, JULY 30TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was generally cool and unsettled in the earlier half of the week, with considerable falls of rain in most districts, and thunderstorms on Monday in the east and south-east of England. Thunderstorms occurred also on Thursday in some parts of Scotland and the north of Ireland. Towards the close of the period a decided improvement took place over England, where the conditions became fairer and more seasonable than for some little time past. In Ireland and Scotland the weather remained in a changeable state.

Temperature was below the average, the deficit being very slight in England N.E. and Ireland N. but rather large (more than 3°) in England S.E. The highest readings were recorded, as a rule, on the 27th and 28th, when the thermometer rose to 70° and upwards in most districts, and to 74° in the eastern and central parts of England. In the west of Scotland no reading higher than 66° was registered. The lowest temperatures occurred over Great Britain very generally on the 24th, but in Ireland on the 26th. In the English Channel district the thermometer did not fall below 52°, but in most parts of Great Britain it went below 45°, and at some of the Scotch stations it sank to 40°. At Balmoral a reading of 31° was reported in the screen, and a reading of 28° on the surface of the grass.

Mean Temperature of the Sea.—As a rule the sea water was cooler than during the corresponding week of last year, but at several places in the west and north it was decidedly warmer. The mean values for the week ranged from 62° at Newquay, 61° at Margate and 60° at Seafield, to 55° and less on the coasts of North Britain generally, and to 52° at Wick.

Rainfall amounted to less than the average in England E. and the Midland Counties. In England S.E. it agreed almost precisely with the normal, but in all the more western and northern parts of the Kingdom there was a decided excess. More than an inch was recorded in several parts of North Britain on the 25th, and as much as 1.4 inch at Balruidery and 1.3 inch at Wick, Nairn and Buxton. On the 28th a fall of 1.1 inch was recorded at Dumfries and Markree Castle.

Bright Sunshine was largely deficient in most of the English and Scotch districts, but agreed very closely with the average in Ireland and the English Channel. The percentage of the possible duration ranged from 45 in the English Channel, and 30 in England S.E. to 16 in Scotland W., 11 in Scotland N. and 10 in Scotland E.

Barometer and Wind.—In the early part of the week the weather was influenced by a cyclonic disturbance of unusual intensity for the season which advanced over the United Kingdom from the Atlantic. The centre of the system passed slowly eastward across Scotland and the North Sea between Sunday night and Tuesday morning, but on reaching the Norwegian coasts it changed its course, the depression ultimately moving away in a northerly direction, and steadily dispersing. During its progress across our Islands, the wind blew with considerable strength from South-West, and afterwards from North-West, the force of a gale being reached on several parts of our west and south coasts. During the later half of the period another cyclonic system extended gradually over the country from the Atlantic and occasioned freshening winds from South and South-East veering later to South-West or West. The central area of the disturbance reached the west of Scotland by Friday morning, but at the close of the week it was moving away again in a westerly direction over the ocean, the change being accompanied by a general return of wind to a Southerly quarter.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 244.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient
	Rainfall ...	Very heavy	Very heavy	Moderate	Moderate	Moderate	Moderate	Very heavy	Very heavy	Heavy	Very heavy	Heavy	Heavy
	Sunshine ...	Very scanty	Very scanty	Scanty	Scanty	Scanty	Scanty	Very scanty	Scanty	Scanty	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 8 weeks from June 5th, 1910.	Warmth ...	3 * 2	1 * 5	2 * 4	2 * 4	3 * 5	2 * 5	3 * 4	2 * 3	1 * 4	4 * 2	1 * 3	1 * 5
	Rainfall ...	1 * 3	2 * 3	3 * 3	4 * 2	4 * 2	4 * 2	2 * 3	4 * 2	3 * 2	3 * 1	4 * 2	2 * 1
	Sunshine ...	3 * 3	3 * 4	1 * 5	0 * 6	1 * 5	1 * 5	4 * 2	3 * 2	1 * 3	2 * 2	3 * 2	1 * 4

PAST SEASONS.

SUMMER, 1909. June 6th-Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

		THIRTIETH WEEK—July 24th to July 30th, 1910.															
DISTRICTS. (See Frontispiece map.)		Temperature.								Rainfall.				Sunshine.			
		Means of				Accumulated				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
		Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)						
0. SCOTLAND, NORTH		71	40	59.5	48.8	53.8	- 1.3	Day-deg. 83	Day-deg. - 9	Day-deg. 0	Day-deg. 0	6	+ 2	Inches. 1.59	Inches. +0.30	12	- 15
Eastern																	
1. SCOTLAND, EAST		69	31	61.0	48.6	54.4	- 2.4	87	- 17	0	0	6	+ 2	1.31	+1.15	11	- 24
2. ENGLAND, N.E.		74	45	65.3	51.9	58.1	- 0.6	113	- 4	0	0	3	- 1	0.68	+0.02	23	- 16
3. ENGLAND, EAST		74	44	65.9	52.2	58.6	- 2.1	116	- 15	0	0	3	- 1	0.40	-0.17	30	- 14
4. MIDLAND COUNTIES		74	42	65.6	50.9	57.7	- 2.3	110	- 16	0	0	4	0	0.55	-0.07	29	- 10
5. ENGLAND, S.E.		74	42	64.5	52.6	58.3	- 3.3	114	- 23	0	0	3	0	0.55	-0.01	33	- 13
Western																	
6. SCOTLAND, WEST		66	41	60.9	51.0	55.6	- 1.8	95	- 13	0	0	7	+ 3	2.04	+1.26	18	- 20
7. ENGLAND, N.W.		72	42	64.0	52.2	57.7	- 1.3	110	- 9	0	0	5	+ 1	1.01	+0.23	23	- 15
8. ENGLAND, S.W.		72	42	63.0	52.0	57.1	- 2.9	106	- 20	0	0	4	+ 1	1.20	+0.44	31	- 11
9. IRELAND, NORTH		72	45	63.4	50.9	56.7	- 0.8	103	- 5	0	0	7	+ 3	1.71	+0.93	29	- 1
10. IRELAND, SOUTH		72	46	63.4	52.5	57.6	- 1.6	109	- 12	0	0	6	+ 3	1.11	+0.37	31	- 3
11. ENGLISH CHANNEL		70	52	64.3	54.6	59.1	- 2.5	120	- 17	0	0	5	+ 2	0.73	+0.17	48	- 4
		THE SEASON (Summer).—Aggregates, &c., for the Period of 8 Weeks, June 5th to July 30th, 1910.															
0. SCOTLAND, NORTH		78	34	*	*	*	*	667	+ 1	0	- 2	27	- 5	4.63	-1.12	264	+ 3
Eastern																	
1. SCOTLAND, EAST		80	30	*	*	*	*	678	- 75	0	- 1	29	+ 1	4.73	-0.04	291	- 25
2. ENGLAND, N.E.		81	37	*	*	*	*	807	- 35	0	0	25	0	3.88	+0.03	274	- 77
3. ENGLAND, EAST		83	39	*	*	*	*	897	- 51	0	0	29	+ 5	4.80	+0.84	279	-105
4. MIDLAND COUNTIES		83	40	*	*	*	*	888	- 42	0	0	26	+ 2	5.04	+0.97	288	- 56
5. ENGLAND, S.E.		81	39	*	*	*	*	925	- 69	0	0	27	+ 5	5.03	+1.31	294	- 99
Western																	
6. SCOTLAND, WEST		81	37	*	*	*	*	811	+ 7	0	0	25	- 4	5.90	0.00	384	+ 49
7. ENGLAND, N.W.		81	38	*	*	*	*	859	- 18	0	0	24	- 3	5.91	+1.12	367	+ 18
8. ENGLAND, S.W.		81	34	*	*	*	*	858	- 67	0	0	27	+ 1	6.34	+1.57	325	- 48
9. IRELAND, NORTH		79	37	*	*	*	*	793	- 15	0	0	32	- 1	7.08	+1.68	334	+ 51
10. IRELAND, SOUTH		79	41	*	*	*	*	879	- 16	0	0	33	+ 5	6.33	+1.24	335	+ 21
11. ENGLISH CHANNEL		79	47	*	*	*	*	929	- 59	0	0	28	+ 2	4.89	+1.13	355	- 94
		THE YEAR.—Aggregates, &c., for the Period of 30 Weeks, January 2nd to July 30th, 1910.															
0. SCOTLAND, NORTH		78	2	*	*	*	*	1120	+ 6	595	+ 38	139	+ 3	29.24	+2.65	804	+49
Eastern																	
1. SCOTLAND, EAST		80	-10	*	*	*	*	1190	- 94	636	+ 16	120	+ 8	17.31	+1.23	887	+ 3
2. ENGLAND, N.E.		81	6	*	*	*	*	1445	+ 51	454	- 21	112	+10	13.37	+1.04	873	-79
3. ENGLAND, EAST		83	17	*	*	*	*	1663	+ 24	393	-123	113	+16	15.11	+2.83	978	-41
4. MIDLAND COUNTIES		83	10	*	*	*	*	1643	- 6	474	- 59	115	+17	15.13	+1.40	912	+ 1
5. ENGLAND, S.E.		81	13	*	*	*	*	1726	- 35	294	- 87	117	+24	16.78	+3.45	997	-27
Western																	
6. SCOTLAND, WEST		81	0	*	*	*	*	1429	+ 33	432	+ 7	127	+ 9	25.37	+1.65	958	+51
7. ENGLAND, N.W.		81	7	*	*	*	*	1519	+ 18	333	- 48	128	+20	21.44	+4.36	995	+75
8. ENGLAND, S.W.		81	8	*	*	*	*	1630	- 60	242	- 59	123	+17	22.22	+3.37	1020	+11
9. IRELAND, NORTH		79	7	*	*	*	*	1446	- 22	351	+ 6	143	+15	23.79	+4.43	873	+30
10. IRELAND, SOUTH		79	18	*	*	*	*	1697	- 17	258	- 1	144	+30	24.82	+4.21	930	- 6
11. ENGLISH CHANNEL		79	28	*	*	*	*	1862	- 45	54	- 55	122	+ 9	19.30	+3.62	1126	-87

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *St* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).		No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.	
						Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°									
0. SCOTLAND, N.	a, Islands.	64	28th	45	24th	58.0	50.8	54.2	—	Day	Day	5	0.85	—	34.9	—	17	—	Ballasound.	
	a Sumburgh Head	65	28th	42	24th	59.9	49.4	54.3	+ 1.8	86	0	5	0.44	— 0.13	19.7	— 10.7	17	— 9	Deerness.	
	a Stornoway	65	28th	44	24th	58.4	48.7	53.2	— 1.3	78	0	7	0.96	+ 0.21	16.3	— 15.1	14	— 13	Stornoway.	
	a Castlebay, Barra Isd.	59	28th, 29th	48	26th	57.0	50.3	53.4	— 3.3	80	0	7	1.81	—	24.8	—	21	—	Castlebay.	
	a Wick	63	28th	43	24th	57.6	48.1	52.5	— 2.1	74	0	5	1.08	+ 1.05	—	—	—	—	Strathpeffer.	
	p Strathpeffer	70	28th	40	24th	60.1	47.7	53.5	— 2.6	81	0	7	1.99	+ 1.36	9.0	— 19.6	8	— 17	Fort Augustus.	
	p Glencarron	71	28th	40	24th	59.8	48.2	53.6	— 0.5	81	0	7	2.28	+ 0.94	—	—	—	—	Fort Augustus.	
	p Fort Augustus	69	28th	45	24th	60.5	50.1	54.9	— 1.4	90	0	7	1.52	+ 0.82	4.4	— 17.5	4	— 15	Fort Augustus.	
	p Fort William	68	28th	41	24th	60.3	49.5	54.5	— 2.0	88	0	7	2.29	+ 1.04	—	—	—	—	Fort Augustus.	
1. SCOTLAND, E.		p Gordon Castle	69	28th	43	24th	62.0	47.9	54.5	— 2.1	88	0	7	2.12	+ 1.55	8.8	—	8	—	Gordon Castle.
		a Nairn	63	30th	46	24th	59.3	50.0	54.3	— 2.2	86	0	6	0.76	+ 0.12	13.1	— 22.9	11	— 20	Nairn.
		a Aberdeen	65	28th	31	24th	60.3	43.0	51.1	— 3.0	64	0	5	2.37	+ 1.67	14.5	—	13	—	Aberdeen.
		a Balmoral	65	28th	42	24th	60.9	50.3	55.2	— 2.6	92	0	7	2.59	+ 1.84	7.3	—	6	—	Crathes S.
		p Crieff	69	28th	49	24th, 27th	63.6	51.7	57.2	— 1.2	106	0	7	1.56	+ 0.92	—	—	—	—	Balruidery.
		a Leith	64	28th	43	24th	59.7	48.2	53.6	— 1.8	81	0	6	1.42	—	9.4	—	8	—	Edinburgh.
		a West Linton	67	28th	46	24th	61.0	49.4	54.8	— 1.7	90	0	5	1.83	+ 1.06	11.8	— 25.2	10	— 22	West Linton.
		p Marchmont	68	28th	41	24th	60.3	49.5	54.5	— 2.0	88	0	7	2.29	+ 1.04	—	—	—	—	Marchmont.
2. ENGLAND, N.E.		a Alnwick Castle	68	27th	46	24th	64.3	50.8	57.1	— 0.1	106	0	4	0.98	+ 0.33	16.7	—	15	—	Cockle Park.
		a Shields	70	27th	49	24th, 27th	64.3	50.8	56.8	— 0.9	104	0	5	0.77	+ 0.17	14.6	— 19.7	11	— 17	Newcastle.
		p Durham	68	27th	48	24th, 30th	63.5	51.5	57.1	— 1.6	106	0	4	1.29	+ 0.63	17.5	— 19.4	16	— 17	Durham.
		p Rounton	69	27th, 30th	47	24th	65.1	51.8	58.0	+ 0.4	112	0	3	0.88	+ 0.24	—	—	—	—	—
		p Scarborough	69	27th, 30th	50	24th	66.3	52.9	59.1	+ 0.4	120	0	4	0.82	+ 0.25	21.9	—	20	—	Scarborough.
		p York	71	26th	48	24th	67.3	52.3	59.3	— 0.6	121	0	3	0.45	— 0.13	27.0	— 12.0	24	— 11	York.
		a Spurn Head	68	27th	50	24th	64.4	53.4	58.5	— 1.1	116	0	2	0.31	— 0.09	—	—	—	—	—
		a Lincoln	72	28th	45	24th	66.7	51.7	58.7	— 2.0	117	0	3	0.32	— 0.19	26.9	—	24	—	Skegness.
	a Fulbeck	74	28th	46	24th	65.9	52.0	58.5	— 1.9	116	0	3	0.32	— 0.21	31.8	—	29	—	Rauceby.	
3. ENGLAND, E.		p Cromer	72	28th	49	24, 26, 27th	65.7	51.6	58.2	— 2.2	113	0	4	0.60	—	24.5	—	22	—	Lowestoft.
		p Hillington	73	28th	45	24th	66.6	50.9	58.2	— 2.4	113	0	3	0.38	— 0.24	25.1	— 19.4	23	— 18	Cromer.
		a Yarmouth	68	29th	49	25th	64.1	51.7	57.5	— 3.0	109	0	3	0.65	+ 0.10	33.2	—	30	—	Hillington.
		a Norwich	70	30th	48	24th	66.2	52.1	58.7	— 1.7	117	0	3	0.61	+ 0.09	28.4	— 19.1	26	— 17	Yarmouth.
		p Geldeston	73	28th	44	24th	66.9	51.7	58.8	— 2.9	118	0	2	0.18	— 0.35	37.7	— 8.9	34	— 8	Geldeston.
		p Cambridge	69	30th	48	24th	64.9	54.3	59.2	— 2.5	120	0	2	0.29	—	38.5	—	35	—	Cambridge.
		a Felzstoue	69	29th	46	24th	65.1	53.7	59.0	— 2.7	119	0	2	0.21	—	33.3	—	31	—	Felzstoue.
		a Clacton-on-Sea	73	28th	45	24th	65.0	51.3	57.7	— 2.7	110	0	4	0.32	— 0.24	28.2	— 20.5	26	— 19	Clacton.
	a Rothamsted	71	28th	48	24th	66.0	53.7	59.4	— 3.8	122	0	2	0.26	— 0.13	36.2	—	33	—	Rothamsted.	
	a Shoburyness	74	28th	50	24th	67.9	54.4	60.7	— 2.6	131	0	4	0.28	—	28.5	—	26	—	Southend.	
4. MIDLAND COUNTIES.		a Harrogate	68	27th	43	24th	64.3	50.3	56.8	— 0.7	104	0	3	0.33	— 0.22	27.8	—	25	—	Tottenham.
		a Bawtry	70	27, 28, 29, 30	45	24, 25, 29th	67.6	48.1	57.2	— 3.0	106	0	3	0.72	+ 0.19	27.0	— 9.7	24	— 9	Workshop.
		p Buxton	67	28th	43	24th	61.6	49.4	55.1	— 1.8	92	0	3	1.94	+ 1.03	37.7	—	34	—	Buxton.
		a Nottingham	72	28th	44	24th	65.6	51.0	57.8	— 2.8	111	0	4	0.54	+ 0.01	30.1	—	27	—	Nottingham.
		p Birmingham, Edgban	73	28th	46	24th	64.3	51.2	57.3	— 2.6	107	0	3	0.45	+ 0.07	29.5	—	27	—	Birmingham.
		a Raunds	74	28th	42	24th	67.4	51.5	58.9	— 2.3	118	0	3	0.45	—	—	—	—	—	—
		a Oxford	74	28th	46	24th	65.0	52.7	58.4	— 3.1	115	0	4	0.34	— 0.19	27.6	— 17.7	25	— 16	Oxford.
		a Chisle	69	28th	44	24th	62.7	49.2	55.5	— 2.7	95	0	5	1.12	+ 0.46	34.5	—	31	—	Sheffield.
	p Shrewsbury	71	28th	45	24th	66.8	52.1	58.9	— 0.6	118	0	4	0.40	—	—	—	—	—	—	
	a Hereford	71	28th	44	24th	66.7	51.7	58.7	— 1.7	117	0	2	0.53	+ 0.02	—	—	—	—	—	
	a Cirencester	74	28th	42	24th	66.1	49.9	57.4	— 2.0	108	0	5	0.42	— 0.18	31.2	— 13.4	29	— 12	Cirencester.	
	a Bath	71	28th	46	24th	64.9	52.4	58.2	— 2.7	113	0	4	0.75	+ 0.15	27.1	—	25	—	Bath.	
5. ENGLAND, S.E.		p Kew	74	28th	49	24th	66.6	54.0	59.9	— 2.1	125	0	3	0.25	— 0.27	24.4	— 22.2	22	— 20	Ramsgate.
		a Marlborough	71	28th	42	24th	63.7	50.2	56.5	— 3.1	102	0	5	0.29	— 0.25	21.0	— 21.5	19	— 20	Kew.
		a Margate	69	28, 29, 30th	50	27th	66.1	53.3	59.3	— 2.7	121	0	2	0.35	— 0.10	40.5	— 6.5	37	— 6	Marlborough.
		a Wisley, Surrey	74	28th	46	24th	65.9	52.4	58.7	— 3.8	117	0	3	0.63	—	27.0	—	25	—	Margate.
		a Swaraton	71	28th	42	24th	64.1	50.9	57.0	— 2.9	105	0	4	0.70	+ 0.16	39.0	—	36	—	Wisley.
		a Tunbridge Wells	73	28th	45	24th	65.5	50.2	57.3	— 3.5	107	0	3	1.11	+ 0.61	35.9	— 11.3	33	— 10	Worthing.
		a Dungeness	67	28th	48	24th	64.1	54.0	58.7	— 2.6	117	0	3	0.37	— 0.03	38.5	—	35	—	Tunbridge Wells.
		p Hastings	70	28th	48	24th	63.7	52.5	57.7	— 3.5	110	0	2	0.36	— 0.14	36.8	— 16.9	34	— 16	Littlestone.
	a Southampton	70	28th	50	27th	64.1	54.1	58.8	— 4.2	118	0	4	0.73	+ 0.18	29.3	— 20.8	27	— 19	Hastings.	
	p Ventnor	67	28th	53	26th, 27th	63.9	54.6	58.9	— 3.3	118										

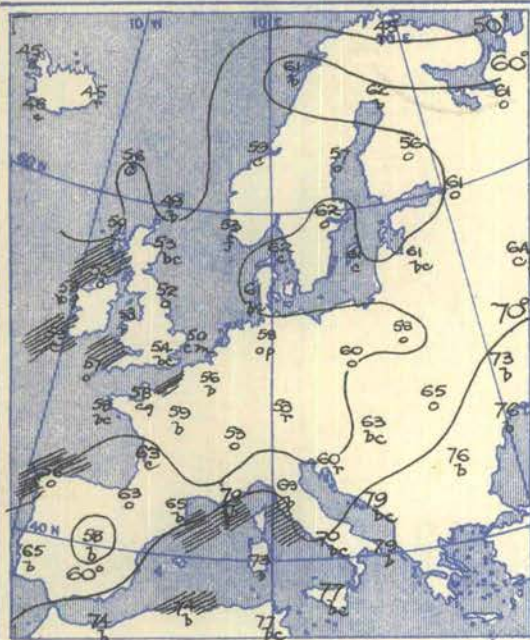
IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	54.9	—	Harrogate	0	40	56.7	55.2	6. Dumfries	0	38	59.4	58.3
1. Aberdeen	—	—	—	52.9	Huddersfield	0	37	59.0	54.9	Douglas	0	40	—	—
Crathes	0	36	56.2	53.9	Buxton	0	37	57.2	53.4	Aspatia	0	38	58.3	54.3
Balmoral	1	28	—	—	Sheffield	1	30	58.1	54.3	Newton Rigg	0	38	58.7	55.6
West Linton	0	42	—	—	Nottingham	0	35	59.0	57.2	Burnley	0	38	57.5	54.4
Marchmont	0	45	57.0	—	Birmingham	0	41	54.3	51.9	Southport	0	41	61.4	60.0
2. Cockle Park	0	45	56.3	54.8	Oxford	0	—	—	—	Manchester City	0	41	59.1	57.5
Durham	0	46	—	—	Hereford	0	40	—	—	Bettws-y-Coed	0	48	57.0	54.4
York	—	—	59.5	56.5	Cirencester	0	36	58.2	56.2	3. Llangammarch Wells	0	34	57.5	55.6
Hull	0	46	59.6	54.7	Bath	—	—	61.1	59.7	Cardiff	0	42	59.0	57.1
Lincoln	—	—	59.1	55.9	Margate	0	46	59.6	57.1	Clifton	0	44	—	—
Raebury	0	43	60.8	57.2	Greenwich	0	41	—	—	Plymouth	0	47	—	—
3. Norwich	—	—	—	—	Westminster	0	44	—	—	4. Aspatia	0	38	58.3	54.3
Yarmouth	—	—	61.9	58.4	Kew	0	44	60.1	57.1	Newton Rigg	0	38	58.7	55.6
Lowestoft	—	—	—	—	Canterbury	0	43	58.0	59.0	Burnley	0	38	57.5	54.4
Clacton-on-Sea	0	39	60.5	58.1	Tunbridge Wells	0	40	61.5	—	Southport	0	41	61.4	60.0
Southend	0	40	59.7	58.2	Wisley	0	41	59.8	58.1	Manchester City	0	41	59.1	57.5
Tottenham	0	44	60.6	—	Worthing	0	43	61.7	58.9	Bettws-y-Coed	0	48	57.0	54.4
	0	46	—	58.7	Portsmouth	0	42	61.9	59.0	5. Llangammarch Wells	0	34	57.5	55.6
					6. Glasgow	0	40	—	—	Cardiff	0	42	59.0	57.1
					Rothsay	—	—	—	—	Clifton	0	44	—	—
					Colmonell	0	40	—	—	Plymouth	0	47	—	—
										6. Dumfries	0	38	59.4	58.3
										Douglas	0	40	—	—
										Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	54.4
										7. Llangammarch Wells	0	34	57.5	55.6
										Cardiff	0	42	59.0	57.1
										Clifton	0	44	—	—
										Plymouth	0	47	—	—
										8. Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	54.4
										9. Llangammarch Wells	0	34	57.5	55.6
										Cardiff	0	42	59.0	57.1
										Clifton	0	44	—	—
										Plymouth	0	47	—	—
										10. Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	54.4
										11. Llangammarch Wells	0	34	57.5	55.6
										Cardiff	0	42	59.0	57.1
										Clifton	0	44	—	—
										Plymouth	0	47	—	—
										12. Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	54.4
										13. Llangammarch Wells	0	34	57.5	55.6
										Cardiff	0	42	59.0	57.1
										Clifton	0	44	—	—
										Plymouth	0	47	—	—
										14. Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	54.4
										15. Llangammarch Wells	0	34	57.5	55.6
										Cardiff	0	42	59.0	57.1
										Clifton	0	44	—	—
										Plymouth	0	47	—	—
										16. Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	54.4
										17. Llangammarch Wells	0	34	57.5	55.6
										Cardiff	0	42	59.0	57.1
										Clifton	0	44	—	—
										Plymouth	0	47	—	—
										18. Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	54.4
										19. Llangammarch Wells	0	34	57.5	55.6
										Cardiff	0	42	59.0	57.1
										Clifton	0	44	—	—
										Plymouth	0	47	—	—
										20. Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	54.4
										21. Llangammarch Wells	0	34	57.5	55.6
										Cardiff	0	42	59.0	57.1
										Clifton	0	44	—	—
										Plymouth	0	47	—	—
										22. Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	54.4
										23. Llangammarch Wells	0	34	57.5	55.6
										Cardiff	0	42	59.0	57.1
										Clifton	0	44	—	—
										Plymouth	0	47	—	—
										24. Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	54.4
										25. Llangammarch Wells	0	34	57.5	55.6
										Cardiff	0	42	59.0	57.1
										Clifton	0	44	—	—
										Plymouth	0	47	—	—
										26. Aspatia	0	38	58.3	54.3
										Newton Rigg	0	38	58.7	55.6
										Burnley	0	38	57.5	54.4
										Southport	0	41	61.4	60.0
										Manchester City	0	41	59.1	57.5
										Bettws-y-Coed	0	48	57.0	

Sunday, 24th July, 1910.

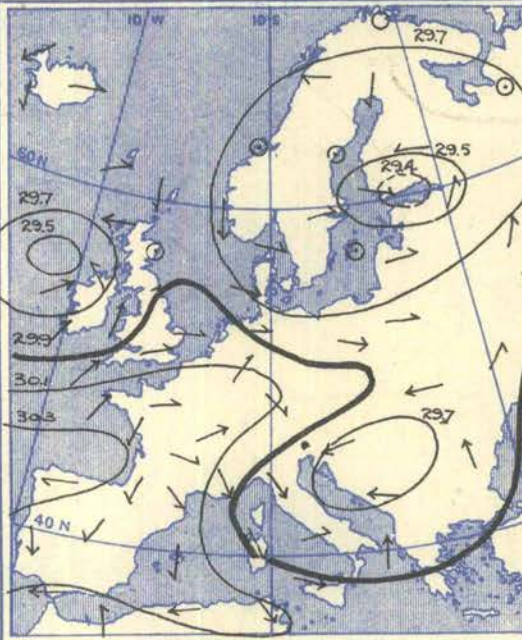
Temperature and Weather.

7 a.m.

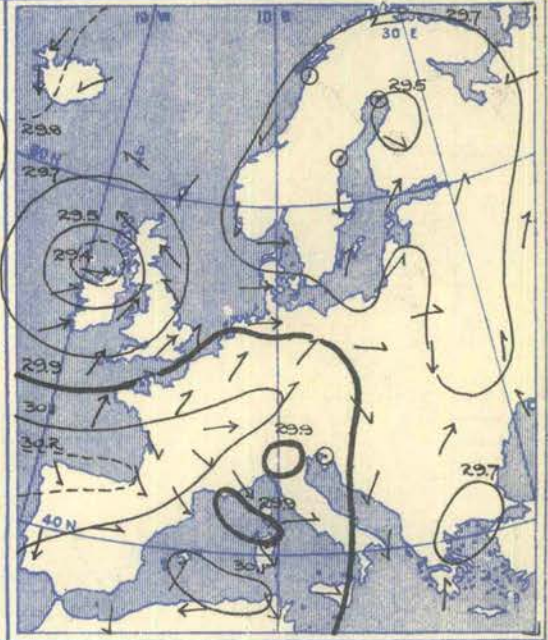


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning unsettled, with much cloud, over a large area, except over Algeria and the Spanish Peninsula. Rain falling in some parts of the United Kingdom, at Vardö, and at several stations in central Europe. Rain experienced later throughout these Islands and at many places over the northern half of the Continent; an inch at Cracow and 1.8 in. at Karlstad.

Temperature fallen in most regions. Morning readings ranging from about 80° at several stations in the far south, and above 70° in southern Russia, to below 60° generally over the central countries, and to below 60° in the north of these Islands and at Vardö. Maxima during day below 60° in several parts of this country, and below 65° at nearly all our stations, as well as in the Netherlands; above 80° over a large area in the more southern regions, and above 90° in a few localities.

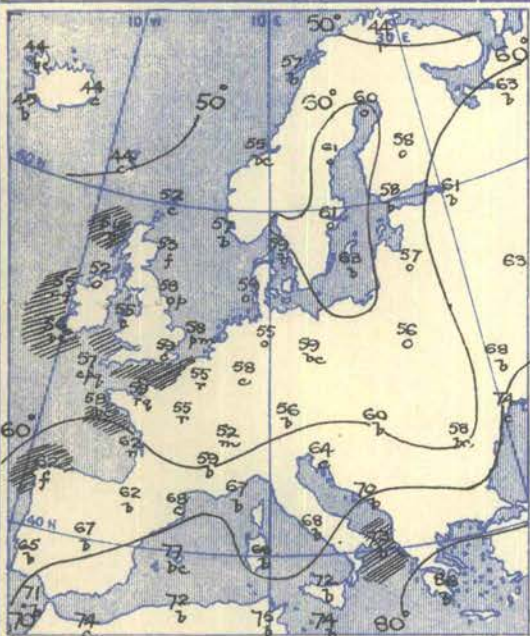
Wind in morning showing three partial or complete cyclonic circulations. Southerly current in these Islands increasing to a strong breeze during the early morning, and reaching the force of a gale on the English Channel by evening. A high wind from North-West prevailing in Sardinia and on the south coast of France during morning, and continuing with little modification during the day.

Barometer in morning above 30.3 ins. over the north of Spain; below 29.4 ins. in a depression having its minimum over the Gulf of Finland; and relatively low in other systems situated over the south-east of the Continent and to the westward of Ireland. Gradient steep over the south-east of France and Switzerland. Atlantic disturbance approaching these Islands during day, and gradient growing much steeper over this country generally.

Monday, 25th July, 1910.

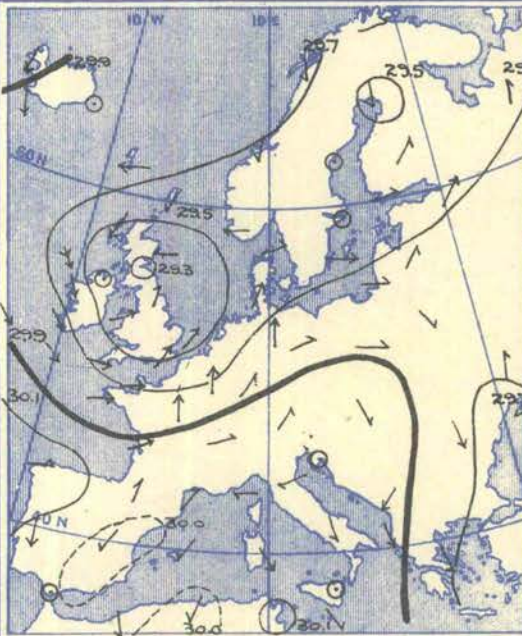
Temperature and Weather.

7 a.m.

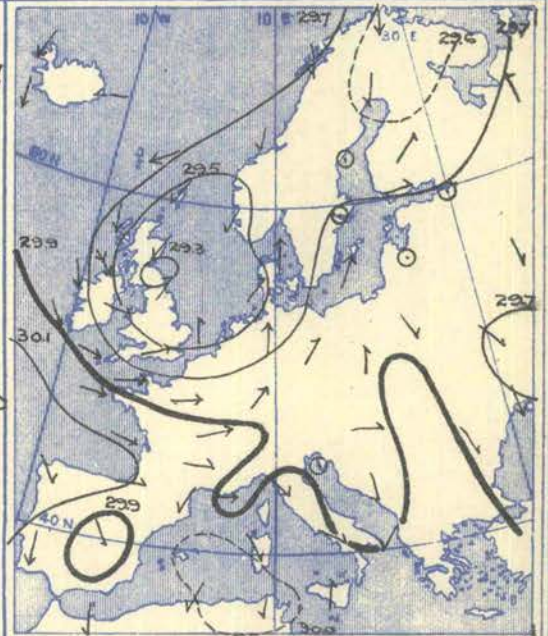


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy or showery over nearly all of this country and the nearer portion of the Continent. Fair to fine in most other regions, but rain falling at Vardö and Moscow. About an inch and a quarter of rain later in the north-east of Scotland, and considerable amounts in many other parts of the Kingdom, and also in Denmark and the Low Countries. As much as 1.2 in. in Utrecht.

Temperature showing no decided change. Morning readings ranging from about 60° over a very large portion of the Continent, and in the south-east of England, to 50° in the far north of Scotland, and to 44° at Vardö. Readings above 70° at many stations over the Mediterranean and in the south of Russia, and above 80° in Greece and at Tunis. Maximum during day only 53° at Wick, below 60° in many parts of Scotland, and below 65° in Ireland and most parts of England. Thermometer remaining below 70° at various stations in central Europe and the north of France, but touching or rising above 80° in the south. Highest value, 93° at Madrid.

Wind in morning showing a well-marked cyclonic circulation over these Islands and their neighbourhood, and another over northern Europe. Westerly current blowing a gale at Scilly, and that from South-West very strong to high over the southern districts generally. A strong North-Easterly breeze prevailing at Stornoway and Thorshavn, and a fresh to strong breeze from the North-Westward in the west and south of Ireland. Little force elsewhere. Increasing to a gale during day in the Straits of Dover and also at Malin Head.

Barometer in morning above 30.1 ins. in the north-west of Spain; below 29.3 ins. in a large depression having its minimum near Leith, and below 29.5 ins. in a shallow disturbance in the extreme north of Finland. Relatively low over the Black Sea. Scottish depression remaining almost stationary during day, and a rise of the barometer in the west and north-west of these Islands causing a steepening of the gradient over Ireland and the Irish Sea.

Tuesday, 26th July, 1910.

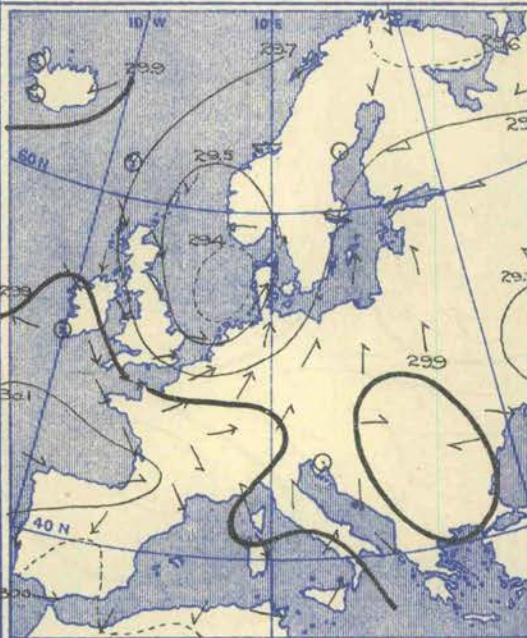
Temperature and Weather.

7 a.m.

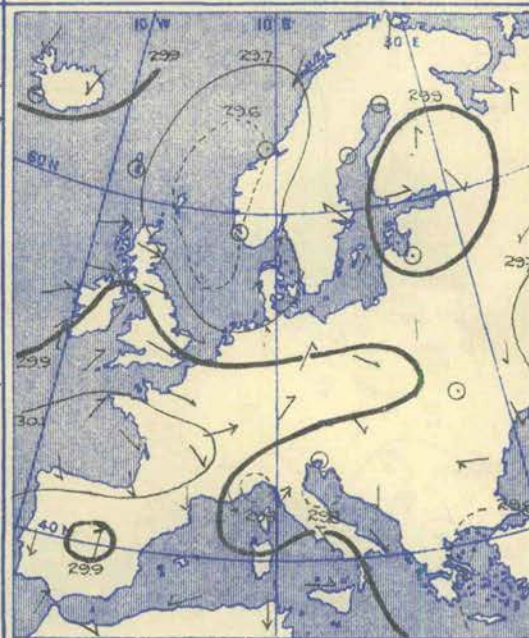


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy or showery at many places over the North Sea region, and also in the Straits of Dover. Fair to very fine in most other parts of our area, but rain falling in the north of Russia and Finland. A little rain later in most parts of these Islands, and some more decided falls in various parts of central Europe and over the Netherlands.

Temperature fallen over this country, risen over a large area on the Continent. Morning readings ranging from between 70° and 80° at nearly all stations in the south to below 55° over the United Kingdom and at Bodø, and to 47° at Vardø. Maxima during day again below 80° at several of our stations, and below 65° over the Kingdom generally. Thermometer rising to above 70° in many parts of central Europe, to above 80° in the south, and touching 90° at a few places. Highest value, 95° at Madrid.

Wind in morning showing a very extensive cyclonic circulation over the north-western countries, the North-Westerly current being high on the coast of Wales, and that from the Westward fresh to a gale on the English Channel. Light to strong South-Easterly breezes prevalent over southern Norway. Wind backing to South-West or South by evening along the west and south-west coasts of the United Kingdom, and decreasing in strength.

Barometer in morning above 30.1 ins. over the north of Spain and the adjacent part of the Bay; below 29.4 ins. in a depression having its minimum over the North Sea, and relatively low in the south of Russia, and also in the far north of Scandinavia. Main depression decreasing in intensity during day without materially changing its position. Pressure falling again in Ireland and the west and south-west of England.

Wednesday, 27th July, 1910.

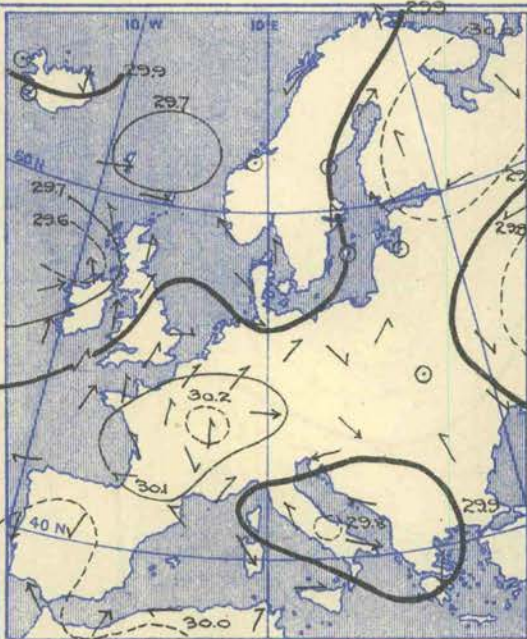
Temperature and Weather.

7 a.m.

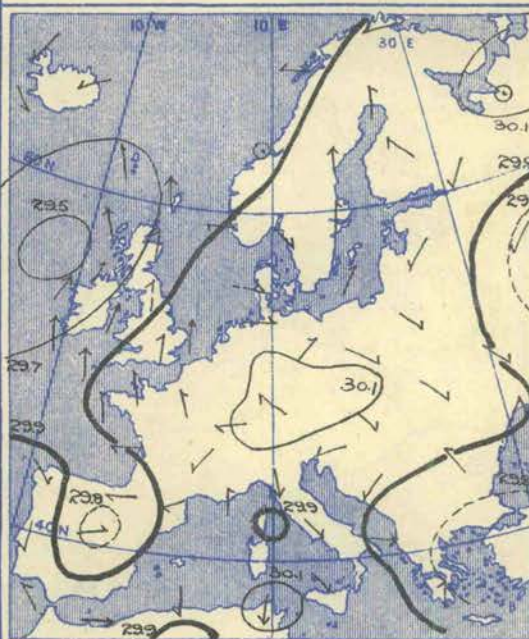


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast in these Islands, with some rain in the west and north-west. Mostly fair to fine elsewhere, but much cloud over Germany, and rain falling at Trieste. Fog prevailing at Scilly and Corunna. Rain falling later in most parts of this country and in a few localities on the Continent; about 0.5 in. at Valencia Island, also at Lesina, and 0.7 in. at Moscow.

Temperature fallen over the greater portion of our area, risen in this country. Morning readings ranging from 80° at Athens, and above 70° at several other southern stations to below 61° at most places in central and north-western Europe, and to about 50° in the north of Scotland. Remaining below 65° all day over a large portion of this country, but touching or slightly exceeding 70° at some western stations. Maxima above 80° at many places over the south of Europe, and as high as 99° at Madrid.

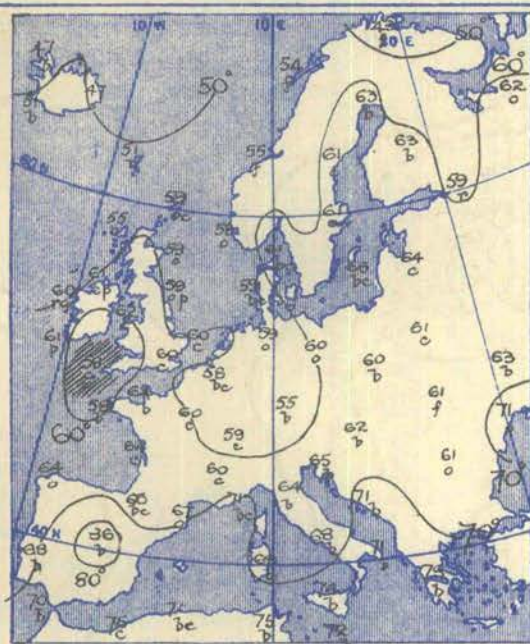
Wind in morning light to moderate from between South-West and South over the major portion of these Islands, but drawing into South-East and blowing very strongly at Castlebay. A complete cyclonic circulation of little force prevailing over the Mediterranean. Increasing somewhat in force later in day on several parts of our western coasts, but no change of a general character taking place.

Barometer in morning above 30.1 ins. over France and the south-west of Germany, and above 30.0 ins. in Finland and northern Russia. Below 29.8 ins. in a depression centred over Italy, below 29.7 ins. in a disturbance of diminishing intensity lying between Norway and Iceland, and below 29.6 ins. in another off the north-west coasts of these Islands. Pressure giving way later in Iceland and over the greater part of the United Kingdom; Atlantic depression extending slowly eastward.

Thursday, 28th July, 1910.

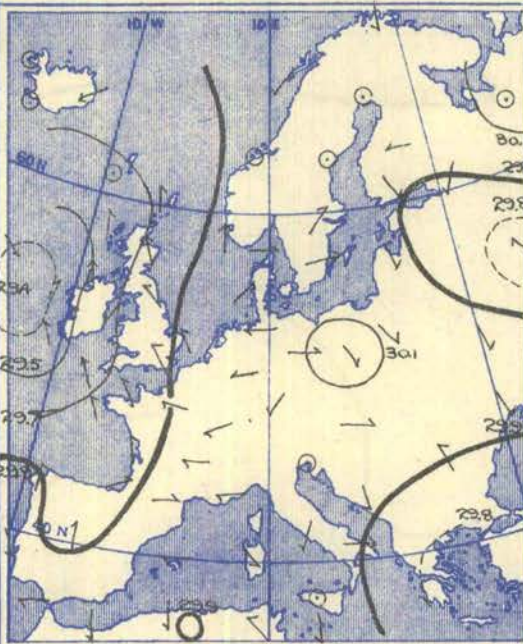
Temperature and Weather.

7 a.m.

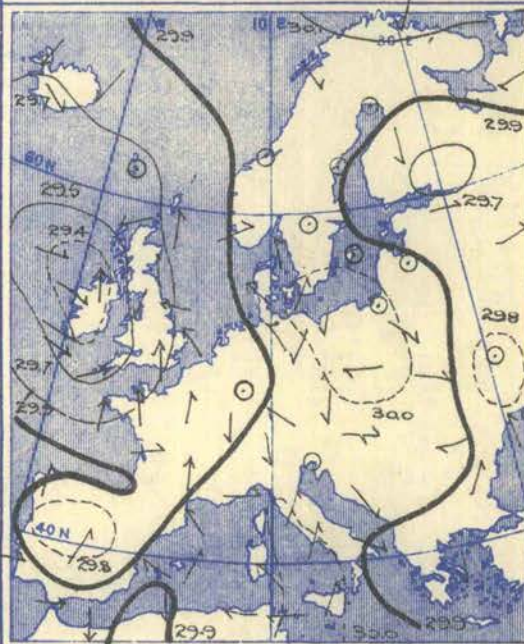


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy or showery at some of our western and northern stations; and at St. Petersburg, and very cloudy over a large area in the north and north-west of Europe; generally fair to very fine elsewhere. Rain experienced later in the greater part of the United Kingdom, the north of France, and in Finland and Russia, and thunderstorms occurring in some French localities.

Temperature risen in most regions. Morning readings ranging from above 75° at several stations over the Mediterranean to about 60° over these Islands and in a very large area over the northern half of the Continent, and to 43° at Vardö. Rising to 70° or rather higher in some parts of England during day, and touching 74° at Oxford and in London. Maxima above 80° at most stations in the south of our area, 91° at Madrid, and 95° at Tunis.

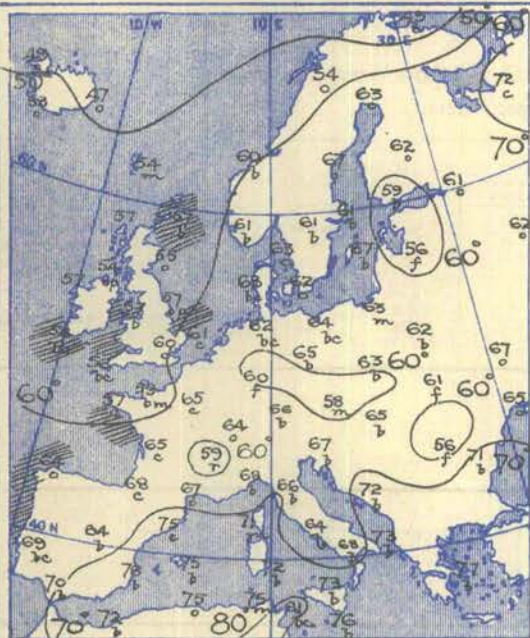
Wind in morning Southerly to South-Easterly over the United Kingdom, France, and the North Sea, and light to moderate in force. Light anticyclonic breezes prevailing over all the central countries, and also in the far north and north-east. Wind veering into west and north-west by evening in the west of Ireland, and increasing in force from between South and South-East over the greater part of England and the North Sea.

Barometer in morning above 30.1 ins. over the White Sea and also over a portion of Germany and Austria; below 29.8 ins. in a depression over central Russia, and in another in the south-east of Europe, and below 29.4 ins. in a disturbance beyond the west of Ireland. Cyclonic centre advancing over Ireland during day, and barometer beginning to rise at Valencia. Very little change occurring in the general distribution of pressure, but gradient increasing somewhat over Great Britain.

Friday, 29th July, 1910.

Temperature and Weather.

7 a.m.

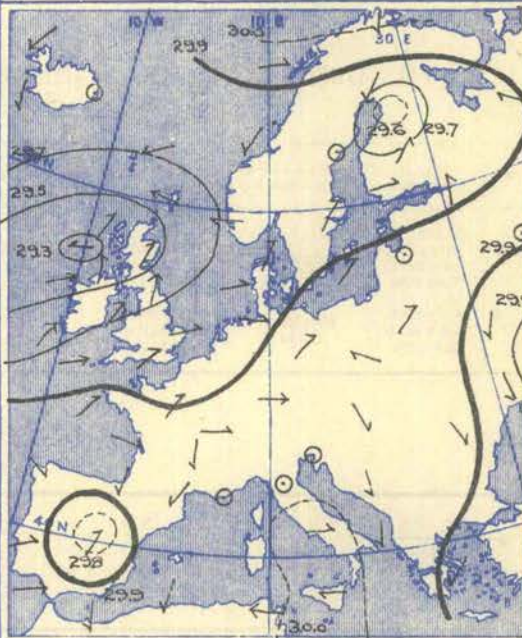


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine to cloudy generally, but overcast at many of our own stations and in some French localities, with rain in a few places. Cloudy or dull over a large area in Russia and Finland, with rain at Uleaborg. Rain during day in Ireland and Scotland, but weather remaining fair in England. Considerable amounts of rain also in Russia, and in some parts of France and Switzerland.

Temperature fallen over most parts of the United Kingdom, risen in Germany and Scandinavia. Morning readings ranging from 81° at Tunis, and above 75° at a few other extreme southern stations to about 60° over a very large portion of the Continent and the east and south-east of England, and to below 50° at Vardö. Thermometer as high as 72° at Archangel. Maxima during day nearly 70° over central and eastern England, and between 70° and 80° over the greater part of the Continent.

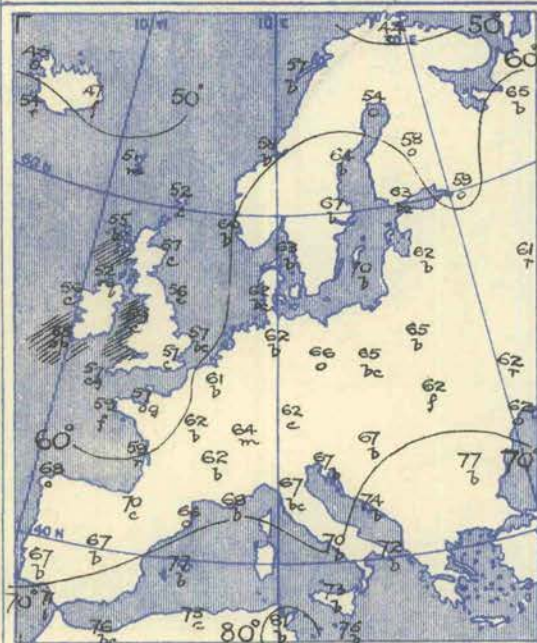
Wind in morning generally cyclonic except over central Europe. Westerly to South-Westerly current blowing freshly or strongly over the southern half of these Islands, but little force elsewhere. No important change during day.

Barometer in morning above 30.0 ins. in central Europe; below 29.6 ins. in a well defined depression having its minimum over central Finland, and below 29.3 ins. in a disturbance centred off our north-west coasts. Latter system changing its position very little during day; fresh disturbance appearing over central Spain.

Saturday, 30th July, 1910.

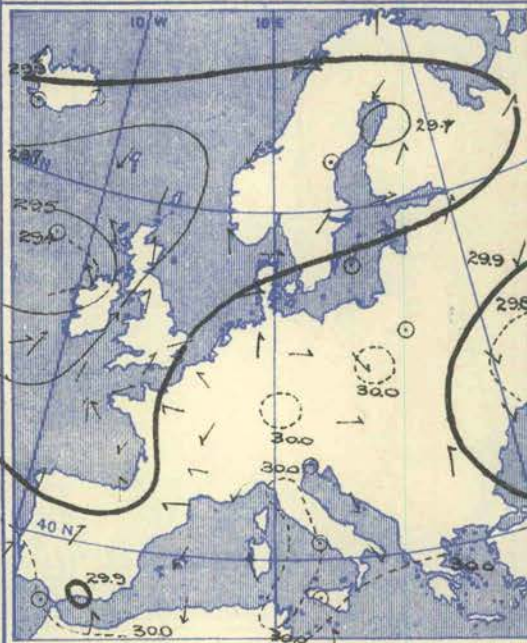
Temperature and Weather.

7 a.m.

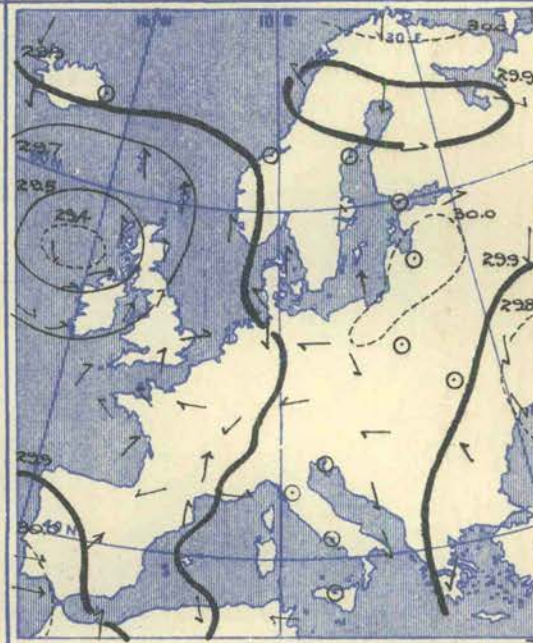


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or dull, with rain in places over Ireland and also in Russia, fair or fine in most other parts of our area but rain falling locally at Rochefort and Karistad. Showers during day in many parts of the British Islands, and heavy falls of rain in the north of Spain and west of France, heaviest amount $1\frac{1}{2}$ inch at Le Mans; considerable falls also in the Low Countries and at some Russian stations.

Temperature changing irregularly; morning readings ranging from below 50° in most parts of Iceland and at Archangel, and about 55° at the Irish stations, to nearly 60° over Eastern England, to between 60° and 70° over the greater part of the Continent, and to 80° or above at some places in the extreme south of our area. Maxima below 70° in all parts of our Islands, between 70° and 80° over the Continent generally, but between 85° and 90° at many stations in the south.

Wind at 7 a.m. cyclonic, South-Easterly in the north of our Islands, Southerly or South-Westerly in the east, south and west, mostly light or moderate in force; feeble cyclonic circulation also shown over northern Europe; variable in most other parts of the Continent. No important change taking place during day.

Barometer in morning, highest about 30.1 ins. in the region of the Azores, and about 30 ins. in a large area covering central and southern Europe. Lowest, below 29.7 ins. in two depressions, one over Finland and the other over the south of Russia, and below 29.4 ins. in a deeper disturbance lying off our north-west coasts. Latter system maintaining the same position during day, but Finnish and Russian disturbances both moving away from our area.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90° —E, 180° —S, 270° —W, and 360° —N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. July 24th, 10.0 a.m. to 1.40 p.m.	Brighton, 115 m.	{	Temperature Humidity Wind ..	287° 90% 250°, 11	?° 100% 240°, ?	282° 100% 250°, 13.4	277° 100% 270°, 13.4	276.5° 100% 270°, 13.4		Metres.	{ Overcast Nimbus, frequent rain squalls. Lowest clouds 500 m. above sea.
2	July 29th, 10.0 a.m. to 12.40 p.m.	Brighton, 115 m.	{	Temperature Humidity Wind ..	287.2° 87% 250°, 11	284.5° 87% 250°, 15	230.8° 100% 270°, 13	277.5° 100% 250°, 13		278.5° 97% 270°, 13	1,315	{ Overcast Nimbus (lowest 700 m. above sea) to clear sky.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2
No. of Kite	2	2
Area of Surface (sq. metres) ..	10	10
Length of Wire (metres) ..	2,073	2,073

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 31.

THIRTY-FIRST WEEK, SUNDAY, JULY 31ST, TO SATURDAY, AUGUST 6TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—At the beginning of the week the weather over England was mostly fair and dry, with a temperature differing but little from the average. In Ireland and Scotland the conditions were less settled, and on Tuesday rain extended to all parts of the Kingdom, the remainder of the week being cool and very changeable. Thunderstorms occurred in many parts of the country on the 3rd and 4th, and again in several English districts on the 5th, and were, in many instances, accompanied by heavy falls of rain and hail.

Temperature was below the average in most of the western and southern districts, as well as in the Midland Counties. In the eastern parts of Great Britain and in Scotland W. it agreed very closely with the normal, while in Scotland N. it was above the average. In the northern, eastern and central districts the highest readings were registered very generally at the commencement of the week, but in the west and south-west they occurred more commonly in the latter half of the period. In England N.W. and S.W. the thermometer did not reach 70°, but in most other districts it exceeded that level, and in the Midland Counties (at Raunds) it rose to 76°. At Sumburgh Head a reading as high as 82° occurred on Saturday. Baltasound registering 77° on the same day. The lowest readings, which were experienced at various times in the different districts, ranged from 37° in Scotland E. (at Balmoral) to 47° in England E. and to 53° in the English Channel. The lowest grass temperatures reported were 32° at Sheffield, 34° at Balmoral, and 35° at Birmingham and Markree Castle.

Mean Temperature of the Sea.—Off our western and southern coasts the water was cooler than in the corresponding week of last year, but at many places in the north and east it was somewhat warmer. The means for the week ranged from about 62° at Margate and Newquay, and 61° at the Shipwash to 55° and less on the north and north-east coasts generally, and to about 53° at Wick and Burnmouth.

Rainfall varied considerably in amount in different localities. In most of the western and southern districts and in Scotland E. it was in excess of the average, but elsewhere there was a fairly general deficit. More than an inch was reported at Scilly and in the south-eastern parts of Ireland on the 1st (as much as 1·8 inch at Waterford) and at a few places in the north of Scotland and the south-east of England on the 5th; on the last mentioned occasion heavy hailstorms occurred in some parts of our eastern and southern counties.

Bright Sunshine amounted to more than the average in the eastern and central parts of England, and in the northern parts of Ireland and Scotland; elsewhere there was a slight deficiency. The percentage of the possible duration ranged from 51 in England E. and 47 in the English Channel to 25 in Scotland E. and W.

Barometer and Wind.—Shortly after the commencement of the week the weather was influenced by a rather deep depression which appeared off our south-west coasts on Monday. The centre of the disturbance afterwards moved northwards across Wales and the Irish Sea to the west of Scotland, and finally in a south-south-westerly direction to central Ireland, where the system gradually dispersed. During its presence the cyclonic circulation of air over these Islands was fairly complete, and was at first of considerable strength. On Monday night a severe Westerly gale sprang up in the Scilly Islands, and on the following day a fresh gale from South-West was experienced in the Channel. In the latter half of the week a new cyclonic system travelled in a north-westerly direction across Germany and Denmark to the upper part of the North Sea, and on Saturday a strong to high wind from West or North-West was experienced on the north-east coast of Scotland.

THE WEEK.

DISTRICTS OF THE BRITISH ISLES.												
For explanation of the terms "Unusual," &c., see p. 244.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Moderate	Deficient
	Rainfall ...	Moderate	Moderate	Light	Moderate	Light	Heavy	Moderate	Light	Heavy	Moderate	Heavy
	Sunshine ...	Abundant	Scanty	Moderate	Abundant	Moderate	Moderate	Scanty	Moderate	Moderate	Abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 9 weeks from June 5th, 1910.	Warmth ...	4 * 2	1 * 5	2 * 4	2 * 4	3 * 5	2 * 6	3 * 4	2 * 3	1 * 5	4 * 2	1 * 4	1 * 6
	Rainfall ...	1 * 3	2 * 3	3 * 4	4 * 2	4 * 2	5 * 2	2 * 3	4 * 3	4 * 2	3 * 1	5 * 2	3 * 1
	Sunshine ...	4 * 3	3 * 5	1 * 5	1 * 6	1 * 5	1 * 5	4 * 3	3 * 2	1 * 3	3 * 2	3 * 2	1 * 4

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

THIRTY-FIRST WEEK—July 31st to August 6th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.									Rainfall.				Sunshine.				
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	82	43	63·4	51·0	56·9	+ 1·8	Day-deg. 104	Day-deg. + 12	Day-deg. 0	Day-deg. 0	5	0	Inches. 0·71	Inches. - 0·15	31	+ 6	27	+ 5
Eastern																		
1. SCOTLAND, EAST	74	37	64·6	50·0	56·9	+ 0·3	104	+ 1	0	0	5	+ 1	0·75	+ 0·12	27	- 7	25	- 7
2. ENGLAND, N.E.	74	44	66·8	51·7	58·8	+ 0·1	118	+ 1	0	0	4	+ 1	0·19	- 0·50	45	+ 6	42	+ 6
3. ENGLAND, EAST	74	47	68·7	53·4	60·6	+ 0·1	130	0	0	0	4	+ 1	0·47	- 0·02	55	+ 12	51	+ 11
4. MIDLAND COUNTIES	76	42	67·4	50·1	58·2	- 1·6	113	- 11	0	0	3	0	0·36	- 0·29	40	+ 1	37	+ 1
5. ENGLAND, S.E.	73	43	66·4	53·4	59·5	- 2·0	123	- 13	0	0	4	+ 1	0·75	+ 0·27	43	- 2	40	- 2
Western																		
6. SCOTLAND, WEST	70	43	63·0	52·3	57·3	+ 0·1	107	+ 1	0	0	5	+ 1	0·98	+ 0·11	27	- 10	25	- 9
7. ENGLAND, N.W.	69	42	64·3	51·7	57·6	- 1·4	109	- 10	0	0	5	+ 2	0·43	- 0·35	37	- 1	34	- 1
8. ENGLAND, S.W.	69	45	63·0	51·7	57·1	- 2·8	106	- 19	0	0	4	+ 1	1·03	+ 0·41	36	- 7	34	- 7
9. IRELAND, NORTH	70	42	62·7	50·3	56·1	- 1·5	99	- 10	0	0	5	0	0·89	+ 0·08	36	+ 6	33	+ 5
10. IRELAND, SOUTH	71	44	62·9	51·1	56·7	- 2·5	103	- 17	0	0	5	+ 1	1·26	+ 0·45	31	- 4	29	- 3
11. ENGLISH CHANNEL	70	53	63·5	54·7	59·0	- 2·7	119	- 19	0	0	5	+ 2	0·78	+ 0·25	50	- 7	47	- 6
THE SEASON (Summer).—Aggregates, &c., for the Period of 9 Weeks, June 5th to August 6th, 1910.																		
0. SCOTLAND, NORTH	82	34	*	*	*	*	771	+ 13	0	- 2	32	- 5	5·34	- 1·27	295	+ 9	27	+ 1
Eastern																		
1. SCOTLAND, EAST	80	30	*	*	*	*	782	- 74	0	- 1	34	+ 2	5·43	+ 0·08	318	- 33	30	- 3
2. ENGLAND, N.E.	81	37	*	*	*	*	925	- 34	0	0	29	+ 1	4·07	- 0·47	319	- 71	31	- 7
3. ENGLAND, EAST	83	39	*	*	*	*	1027	- 51	0	0	33	+ 6	5·27	+ 0·82	334	- 93	33	- 9
4. MIDLAND COUNTIES	88	40	*	*	*	*	1001	- 53	0	0	29	+ 2	5·40	+ 0·77	328	- 55	32	- 5
5. ENGLAND, S.E.	81	39	*	*	*	*	1048	- 82	0	0	31	+ 6	5·78	+ 1·58	337	- 101	33	- 10
Western																		
6. SCOTLAND, WEST	81	37	*	*	*	*	918	+ 8	0	0	30	- 3	6·88	+ 0·11	411	+ 39	39	+ 4
7. ENGLAND, N.W.	81	38	*	*	*	*	968	- 28	0	0	29	- 1	6·34	+ 0·77	404	+ 17	39	+ 2
8. ENGLAND, S.W.	81	34	*	*	*	*	964	- 86	0	0	31	+ 2	7·42	+ 1·08	361	- 55	36	- 6
9. IRELAND, NORTH	79	37	*	*	*	*	892	- 25	0	0	37	- 1	7·97	+ 1·76	370	+ 48	36	+ 6
10. IRELAND, SOUTH	79	41	*	*	*	*	982	- 33	0	0	38	+ 6	7·59	+ 1·69	366	+ 18	36	+ 2
11. ENGLISH CHANNEL	79	47	*	*	*	*	1048	- 78	0	0	33	+ 4	5·67	+ 1·88	405	- 100	41	- 10
THE YEAR.—Aggregates, &c., for the Period of 31 Weeks, January 2nd to August 6th, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	1224	+ 18	595	+ 38	144	+ 3	29·95	+ 2·50	835	+ 54	29	+ 2
Eastern																		
1. SCOTLAND, EAST	80	- 10	*	*	*	*	1294	- 93	636	+ 16	125	+ 9	18·06	+ 1·40	914	- 5	32	0
2. ENGLAND, N.E.	81	6	*	*	*	*	1563	+ 52	454	- 21	116	+ 11	13·56	+ 0·54	913	- 73	32	- 3
3. ENGLAND, EAST	83	17	*	*	*	*	1793	+ 24	393	- 123	119	+ 17	15·53	+ 2·81	1023	- 29	36	- 1
4. MIDLAND COUNTIES	83	10	*	*	*	*	1756	- 17	474	- 59	118	+ 17	15·54	+ 1·20	952	+ 2	34	0
5. ENGLAND, S.E.	81	13	*	*	*	*	1849	- 48	294	- 87	121	+ 25	17·53	+ 3·72	1040	- 29	37	- 1
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	1536	+ 34	432	+ 7	132	+ 10	26·35	+ 1·76	985	+ 40	34	+ 1
7. ENGLAND, N.W.	81	7	*	*	*	*	1628	+ 8	338	- 48	133	+ 22	21·87	+ 4·01	1032	+ 73	36	+ 3
8. ENGLAND, S.W.	81	8	*	*	*	*	1736	- 79	242	- 59	127	+ 18	23·30	+ 3·78	1056	+ 4	38	0
9. IRELAND, NORTH	79	7	*	*	*	*	1545	- 32	551	+ 6	148	+ 15	24·68	+ 4·51	909	+ 36	32	+ 1
10. IRELAND, SOUTH	79	18	*	*	*	*	1800	- 34	258	- 1	149	+ 31	26·08	+ 4·66	961	- 9	34	0
11. ENGLISH CHANNEL	79	28	*	*	*	*	1981	- 64	54	- 55	127	+ 11	20·08	+ 3·87	1176	- 93	42	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.						Rainfall.				Bright Sunshine.				NAMES OF STATIONS.					
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.		Difference from Average.				
						Of Highest each day.	Of Lowest each day.	For whole of each day.														
																			Above 42°	Below 42°		
0. SCOTLAND, N.	a, Islands.	p Baltasound	8	77	6th	52	2nd	63.3	53.7	58.2	—	113	0	1	0.03	53.3	—	—	Baltasound.			
		a Sumburgh Head	82	6th	51	2nd, 5th	64.7	52.7	58.3	+ 6.0	114	0	3	0.54	—	0.07	44.3	+13	Deerness.			
		a Stornoway	66	4th, 5th	46	4th	62.9	51.1	56.7	+ 2.6	103	0	5	0.84	+ 0.01	43.0	+10	Stornoway.				
		a Castlebay, Barra Isd.	62	2nd	50	5th	59.7	52.0	55.6	+ 1.0	95	0	4	0.72	—	51.5	—	Castlebay.				
	b, Main-land.	a Wick	66	1st	48	2nd	61.4	51.3	56.1	+ 1.7	99	0	5	1.08	+ 0.43	—	—	Strathpeffer.				
		p Strathpeffer	69	1st	45	4th	62.9	49.8	56.0	+ 0.3	98	0	5	0.52	+ 0.09	20.5	—	Fort Augustus.				
		p Glencarron	65	2nd	46	1st	61.6	49.3	55.1	+ 1.3	92	0	4	0.45	—	—	—	—				
		p Fort Augustus	68	4th	43	4th	64.3	50.0	56.7	+ 0.8	103	0	4	0.36	+ 0.39	16.5	—	—				
		p Fort William	67	5th	47	4th	64.3	51.0	57.3	+ 0.9	107	0	6	1.15	+ 0.15	—	—	—				
	1. SCOTLAND, E.		p Gordon Castle	69	31st	45	4th	65.3	49.4	56.9	+ 0.4	104	0	6	1.64	+ 0.84	39.2	—	—	Gordon Castle.		
		a Nairn	68	31, 1, 2, 3	43	4th	65.9	49.6	57.3	+ 0.9	107	0	7	0.99	+ 0.43	26.1	—	—	Nairn.			
		a Aberdeen	67	1st	48	1st	64.0	51.9	57.6	+ 1.4	109	0	4	0.69	+ 0.05	37.6	+ 2.1	33	+ 2	Aberdeen.		
		a Balmoral	74	1st	37	4th	66.0	47.6	56.3	+ 2.6	100	0	5	1.05	+ 0.32	31.1	—	—	Crathes S.			
		p Crieff	70	5th	46	4th	65.0	51.2	57.7	+ 0.1	110	0	6	0.58	+ 0.23	17.4	—	—	Balruidery.			
		a Leith	69	31st	49	4th	64.9	53.3	58.8	+ 0.6	118	0	5	0.30	+ 0.33	—	—	—	Edinburgh.			
		a West Linton	66	5th	41	4th	62.0	48.2	54.7	+ 0.4	89	0	6	0.44	—	26.7	—	—	West Linton.			
		p Marchmont	68	1st	46	1st, 5th	63.6	49.0	55.9	+ 0.2	97	0	4	0.34	+ 0.43	24.6	+11.4	22	+10	Marchmont.		
2. ENGLAND, N.E.		a, North.	a Alnwick Castle	67	31st, 5th	44	1st	64.4	49.8	56.7	+ 0.3	103	0	4	0.62	+ 0.03	36.8	—	—	33	—	Cockle Park.
			a Shields	70	1st	47	5th	64.3	50.0	56.7	+ 1.0	103	0	4	0.26	+ 0.34	30.4	—	—	30	—	Newcastle.
		p Durham	71	5th	47	5th	65.4	50.9	57.7	+ 0.5	110	0	3	0.05	+ 0.57	41.6	+ 5.7	35	+ 5	Durham.		
		p Rounton	70	31st	46	31st	66.6	50.2	57.9	+ 0.3	111	0	4	0.06	+ 0.59	—	—	—	—	—		
		p Scarborough	69	1st, 3rd	50	1st	65.4	53.0	58.8	+ 0.3	118	0	3	0.05	+ 0.53	41.9	—	—	38	—	Scarborough.	
	b, South.	a York	71	31st, 5th	49	1st	69.3	52.4	60.3	+ 0.9	128	0	5	0.15	+ 0.43	41.8	+ 4.3	38	+ 4	York.		
		a Spurn Head	69	1st, 3rd	55	1, 3, 5, 6th	66.0	55.6	60.6	+ 1.1	130	0	5	0.24	+ 0.19	—	—	—	—	—		
		a Lincoln	73	31st, 4th	49	1st	69.8	51.9	60.3	+ 0.2	128	0	3	0.06	+ 0.47	57.4	—	—	58	—	Skegness.	
		a Fulbeck	74	4th	48	1st	69.9	51.5	60.2	+ 0.1	127	0	3	0.24	+ 0.30	51.7	—	—	48	—	Rauceby.	
	3. ENGLAND, E.	a, North.	p Cromer	71	3rd	51	4th, 6th	67.4	58.2	59.9	+ 0.3	125	0	5	0.39	—	58.9	—	—	55	—	Lowestoft.
		p Hillington	73	1st	47	1st	70.4	51.4	60.3	+ 0.1	128	0	5	0.20	+ 0.45	53.6	+10.0	50	+ 9	Cromer.		
		a Yarmouth	69	3rd	52	1st, 6th	67.1	54.9	60.6	+ 0.2	130	0	4	0.09	+ 0.45	69.3	—	—	64	—	Hillington.	
		a Norwich	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
		p Geddeston	73	31st, 4th	50	1st	70.5	53.2	61.3	+ 1.4	135	0	5	0.59	+ 0.08	57.1	+10.5	53	+10	Geddeston.		
		p Cambridge	73	31st, 4th	50	1st, 6th	69.9	52.1	60.5	+ 0.5	130	0	3	0.44	+ 0.09	51.8	+ 6.2	48	+ 6	Cambridge.		
b, South.		a Felixstowe	74	31st	52	1st	67.6	55.0	60.9	+ 0.4	132	0	3	0.23	—	65.0	—	—	61	—	Felixstowe.	
		a Clacton-on-Sea	74	31st	52	1st	68.0	55.7	61.5	+ 0.2	137	0	3	0.70	—	58.7	—	—	55	—	Clacton.	
		a Rothamsted	70	31st	47	1st	67.2	51.3	59.0	+ 0.9	119	0	5	0.88	+ 0.32	45.2	+ 2.5	42	+ 2	Rothamsted.		
		a Shoeburyness	72	31st	53	1st, 6th	69.3	54.9	61.7	+ 1.0	133	0	4	0.48	+ 0.09	58.2	—	—	49	—	Southend.	
4. MIDLAND COUNTIES.		p Tottenham	74	31st	54	1, 3, 4, 5, 6	69.3	54.8	61.6	+ 0.8	137	0	4	0.47	—	45.1	—	—	42	—	Tottenham.	
	a, East.	a Harrogate	68	31st	45	31st	65.8	49.6	57.2	+ 0.4	106	0	3	0.11	+ 0.47	49.1	—	—	45	—	Harrogate.	
		a Bawtry	73	2nd	45	31st, 1st	71.3	50.7	60.4	+ 0.7	129	0	3	0.17	+ 0.37	42.6	+ 6.9	39	+ 6	Workshop.		
		p Buxton	67	31st	45	1st	62.6	49.3	55.6	+ 1.1	95	0	4	0.71	+ 0.25	49.0	—	—	45	—	Buxton.	
		a Nottingham	72	31st	47	1st	68.3	51.0	59.1	+ 1.0	120	0	3	0.18	+ 0.36	47.0	—	—	44	—	Nottingham.	
		p Birmingham, Edgbn	68	31st, 1st	48	1st	65.2	50.8	57.6	+ 1.6	109	0	3	0.37	+ 0.18	31.8	—	—	29	—	Birmingham.	
		a Raunds	76	31st	45	1st	71.1	50.6	60.2	+ 0.7	127	0	4	0.77	—	—	—	—	—	—		
		a Oxford	71	31st	50	3rd	66.7	52.3	59.1	+ 2.1	120	0	3	0.19	+ 0.34	38.5	+ 5.9	36	+ 6	Oxford.		
		a Cheddle	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
	b, West.	p Shrewsbury	70	4th	43	31st	67.3	48.8	57.5	+ 1.7	109	0	3	0.10	—	—	—	—	—	—		
5. ENGLAND, S.E.		a Hereford	71	5th	44	31st, 5th	65.2	48.7	56.5	+ 3.5	102	0	3	0.61	+ 0.08	—	—	—	—	—		
		a Cirencester	71	5th, 6th	42	1st	68.1	47.9	57.4	+ 1.5	108	0	4	0.51	+ 0.12	33.9	+10.0	32	+ 9	Cirencester.		
		a Bath	68	31st	45	1st	65.0	50.3	57.2	+ 3.2	106	0	3	0.60	+ 0.00	35.6	—	—	38	—	Bath.	
		p Kew	73	31st	52	4th, 6th	68.3	54.1	60.8	+ 0.7	132	0	3	1.70	+ 1.19	43.0	+ 2.6	40	+ 2	Ramegate.		
		a Marlborough	70	5th	43	1st	66.2	49.5	56.9	+ 2.5	104	0	6	0.30	+ 0.24	30.1	+11.8	28	+11	Kew.		
		a Margate	71	31, 1, 4th	52	3rd	68.3	54.7	61.1	+ 0.9	134	0	4	1.30	+ 0.85	51.4	+ 5.1	48	+ 5	Marlborough.		
		a Wisley, Surrey	73	31st, 4th	50	6th	68.7	52.5	60.1	+ 1.8	127	0	4	0.59	—	42.9	—	—	40	—	Margate.	
		a Swaraton	70	31st	46	1st	65.5	51.1	57.9	+ 1.5	111	0	4	0.94	+ 0.37	44.7	—	—	42	—	Wisley.	
		a Tunbridge Wells	71	31st	49	1st	67.0	51.4	58.7	+ 1.6	117	0	5	0.44	+ 0.06	52.3	+ 5.9	49	+ 6	Tunbridge Wells.		
		a Dungeness	69	31st	54	31, 5, 6th	65.3	55.7	60.2	+ 0.9	127	0	3	0.64	+ 0.22	44.9	—	—	42	—	Worthing.	
6. LONDON		p Hastings	68	31st	53	1st, 5th	65.2	54.7	59.6	+ 1.7	123	0	3	0.61	+ 0.08	53.1	+ 0.8	50	+ 1	Hastings.		
		p Southampton	71	5th	52	1, 3, 6th	66.4	53.5	59.6	+ 2.9	123	0	4	0.26	+ 0.30	39.7	+ 9.7	38	+ 9	Southampton.		
		a Ventnor	69	5th	54	5th, 6th	64.5	55.2	59.6	+ 2.7	123	0	3	0.41	+ 0.06	40.2	+ 8.2	3				

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	58.1	—	Harrogate	0	39	57.2	55.8	6. Dumfries	0	45	59.6	58.0
1. Aberdeen	—	—	—	52.9	Huddersfield	0	39	60.0	55.1	Douglas	0	45	—	—
Crathes	0	38	57.9	54.1	Buxton	0	40	57.8	53.5	Aspatia	0	40	59.1	54.4
Balmoral	0	34	—	—	Sheffield	0	32	59.1	54.9	Newton Rigg	0	37	59.1	55.8
West Linton	0	36	—	—	Nottingham	0	37	61.3	58.1	Burnley	0	40	57.9	54.6
Marchmont	0	41	57.1	—	Birmingham	0	35	54.8	52.1	Southport	0	40	61.6	60.1
Cockle Park	0	39	56.8	54.7	Oxford	0	—	—	—	Manchester City	0	47	60.3	57.8
Durham	0	41	—	—	Hereford	0	39	—	—	Bettws-y-Coed	0	48	57.1	55.0
York	—	—	60.1	56.9	Cirencester	0	37	58.6	56.2	Llangammarch Wells	0	37	57.6	55.0
Hull	0	45	60.7	55.4	Bath	—	—	61.7	59.9	Cardiff	0	42	60.1	57.3
Lincoln	—	—	62.2	56.5	Margate	0	49	61.4	57.8	Clifton	0	43	—	—
Raunceby	0	46	62.8	57.3	Greenwich	0	41	—	—	Plymouth	0	48	—	—
Norwich	—	—	64.3	60.1	Westminster	0	47	—	—	9. Armagh	0	43	60.2	58.0
Yarmouth	—	—	64.3	59.4	Kew	0	42	62.2	57.6	Markree	0	35	61.0	57.4
Lowestoft	0	48	64.3	59.4	Canterbury	0	46	60.2	60.0	10. Dublin, Trin. Coll. ..	0	44	59.0	57.1
Cambridge	0	43	62.2	58.7	Tunbridge Wells	0	42	63.8	—	11. Guernsey, Brooklyn ..	0	49	62.2	59.7
Clacton-on-Sea	0	45	61.9	58.8	Wisley	0	43	61.8	58.7					
Southend	0	53	63.6	—	Worthing	0	46	63.7	59.4					
Tottenham	0	48	—	59.0	Portsmouth	0	45	62.5	59.6					
					Glasgow	0	43	—	—					
					Rothsay	—	—	—	55.0					
					Colmonell	0	43	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	56	55	55.3	SCOTLAND, W.	Lamlash	55	54	54.2
	Kirkwall	55	54	54.8		Ballantrae	55	54	54.7
	Wick	54	52	53.4	ENGLAND, N.W.	Port Erin	57	55	55.6
SCOTLAND, E.	Cromarty	58	57	57.6		Newquay	62	61	62.0
	Pennan Bay	58	53	56.2	ENGLAND, S.W.	Scilly	58	55	56.5
	Aberdeen, Cove Bay	54	54	54.0		Plymouth	58	57	57.4
ENGLAND, N.E.	Burnmouth, Berwick	54	52	53.0		Salcombe	58	56	57.3
	Scarborough	62	53	56.8	IRELAND, N.W.	Sheephaven	58	57	57.2
ENGLAND, E.	Shipwash Lightship	62	60	61.0		Teelin	63	57	59.3
ENGLAND, S.E.	Margate	64	62	62.4	IRELAND, S.W.	Cleggan	58	54	56.4
	Eastbourne	—	—	—	IRELAND, E.	Seafield	62	57	59.2

‡ Only one observation each day.

Registering Balloon Ascents.

Height km.	1		2		3				4		Height. km.
	Pyrton Hill.		Manchester.		Manchester.				Manchester.		
	June 2nd. 6.52 a.m.		June 2nd. 6.25 p.m.		June 22nd. 6.15 p.m.				July 7th, at 6.53 p.m.		
	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	Pressure. Mgd.	Temperature. A°	
Ground	989	286	1.005	288.3	1.002	293.4	1.002	293.4	1.013	288.5	Ground.
0.5	947	283	946	284	0.948	288	—	—	0.954	282	0.5
1.0	889	279.5	900	281	0.888	281.5	—	287.5	0.894	279	1.0
1.5	838	277.5	845	277	0.835	278	0.838	284.5	0.843	278	1.5
2.0	791	274	792	272	0.788	275	0.794	278.5	0.793	277.5	2.0
2.5	741	272.5	740	268.5	0.737	275.5	0.743	274	0.747	276	2.5
3.0	698	271	693	265.5	0.686	268.5	0.700	271	0.699	272	3.0
3.5	656	269	652	265.5	0.640	265	0.660	268	0.657	268.5	3.5
4.0	617	266	610	262	0.605	263	0.615	266	0.615	266.5	4.0
4.5	577	263	575	258.5	0.565	260.5	0.575	262.5	0.578	265.5	4.5
5.0	540	259.5	535	255.5	0.528	255.5	0.535	258	0.538	261	5.0
5.5	504	256.5	504	251	0.493	253	0.500	254.5	0.502	258.5	5.5
6.0	472	253	471	247.5	0.457	249.5	0.469	253	0.471	255.5	6.0
6.5	443	?	439	243	0.430	246.5	0.435	246.5	0.440	251.5	6.5
7.0	412	?	410	239.5	0.400	241.5	0.405	240.5	0.413	248	7.0
7.5			385	237	0.373	238			0.387	243.5	7.5
8.0			359	235	0.346	235			0.355	240.5	8.0
8.5			333	229.5	0.319	231.5			0.328	237.5	8.5
9.0			307	225	0.298	230.5			0.310	234.5	9.0
9.5			285	222.5	0.275	229			0.285	230	9.5
10.0			266	220.5	0.252	233.5			0.267	226.5	10.0
11.0			238	218.5	0.220	236.5			0.227	223	11.0
12.0			192	221	0.194	—			0.195	221.5	12.0
13.0			169	223					0.170	223	13.0
14.0			146	222.5					0.145	224	14.0
15.0			122	221					0.125	223	15.0
16.0			105	222					0.109	222	16.0
17.0				223					0.090	218	17.0

1.—Balloon fell in Northants, distant 120 km., direction 25°. It reached a height of 7.2 km., but did not burst. Temperatures above 6 km. are doubtful owing to insolation. Cloud at about 1 km. Raining. 2.—Balloon fell at Low Moor, Lockton, Pickering, Yorks, distant 137 km., direction 48°. Greatest height 16.5 km., pressure 100, temperature 222 or 225.5. Mean temperature gradient (ground to 7 km.) 0.69° per 100m. 3.—Balloon fell at Mallerstang, Kirkby Stephen, Westmoreland, distant 103 km. direction 359°. Two instruments attached; A enclosed in a double aluminium case, B enclosed in a single case. The record of B was undecipherable above 7 km., and the readings are rather doubtful. Mean temperature gradient (Ground to 7 km.) 0.76° per 100 m. from record A. 4.—Balloon fell at Painswick, near Stroud, distant 196 km., direction 178°. Mean temperature Gradient (Ground to 7 km.) 0.57° per 100 m.

Sunday, 31st July, 1910.

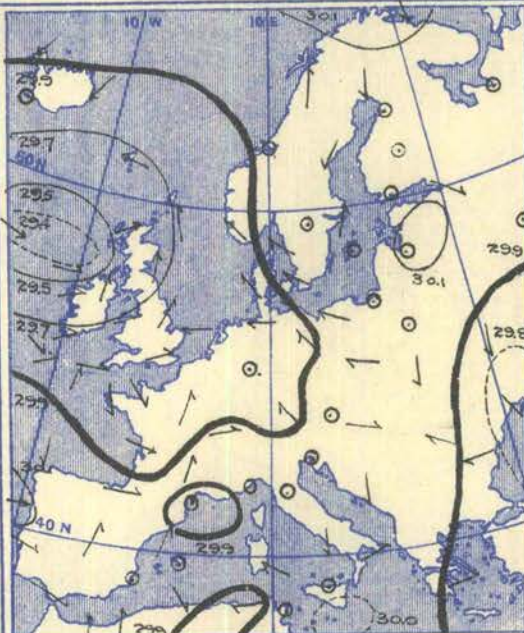
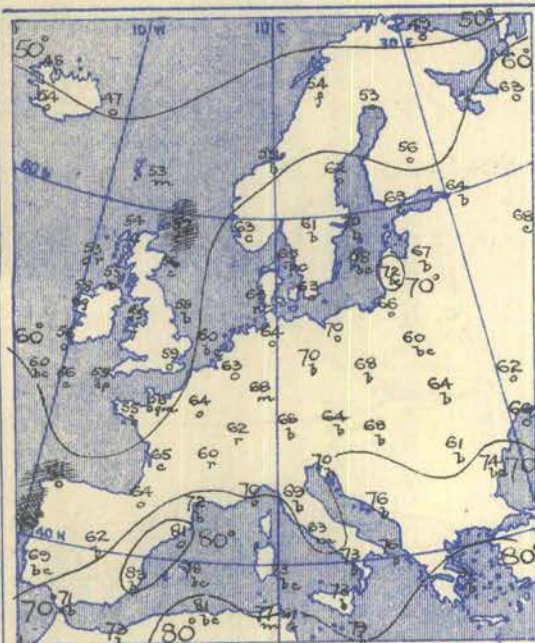
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather over our Islands varying from fair or fine in the east and south to cloudy or overcast in the west and north, with rain at Castlebay, and showers at Scilly. Rain falling at several French stations, and at Fanø, where thunder was reported, but fair over the Continent as a whole, and very fine over the Mediterranean region. Remaining fine during day over the greater part of England, but showers falling in most parts of Scotland and Ireland, and heavier falls of rain occurring in different parts of the Continent.

Temperature changing very slightly, 7 a.m. readings ranging from below 50° in Iceland, and about 55° in some parts of the British Islands, to about 70° over the Baltic, and to between 70° and 80° over the Mediterranean. Rising later to between 70° and 75° at several of our own central and southern stations, and to as high as 77° at Stockholm; to between 80° and 90° in most southern countries, and to about 110° in central Algeria.

Wind in morning South-Easterly to South-Westerly over our Islands and their neighbourhood, light or moderate in force. North-Westerly over the Bay of Biscay and the Peninsula, variable in other parts of our area. Very little change taking place during day.

Barometer at 7 a.m. highest between 30.1 ins. and 30.1 ins. between the coast of Portugal and the Azores, and relatively high, above 30.0 ins. over northern Europe. Lowest 29.4 ins. and less in a depression over the Atlantic off our north-west coasts, and below 29.8 ins. in a shallow disturbance over the south of Russia. No important change during day.

Monday, 1st August, 1910.

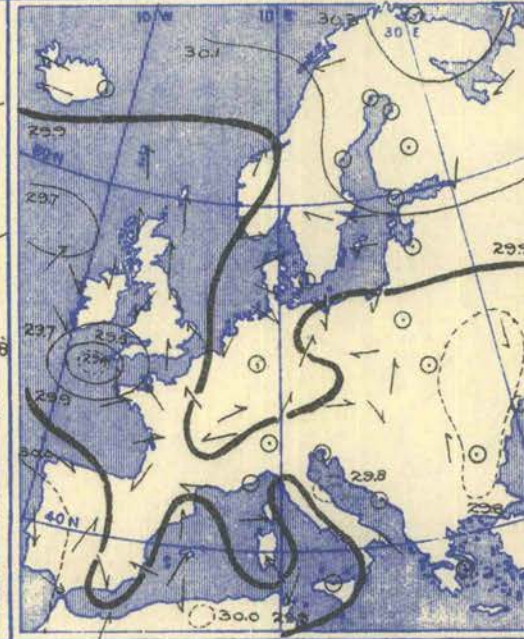
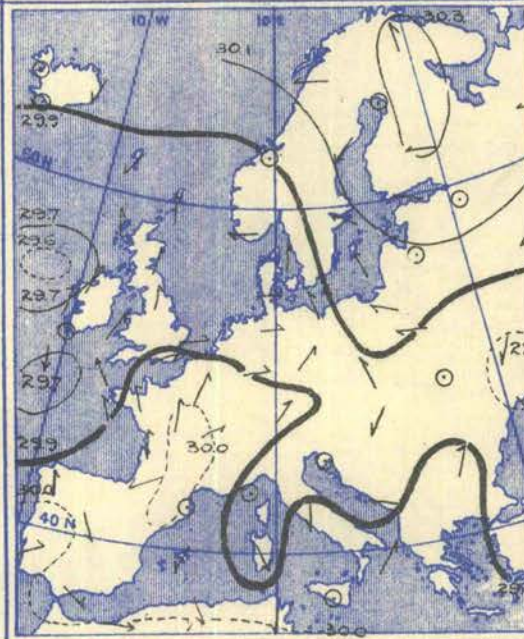
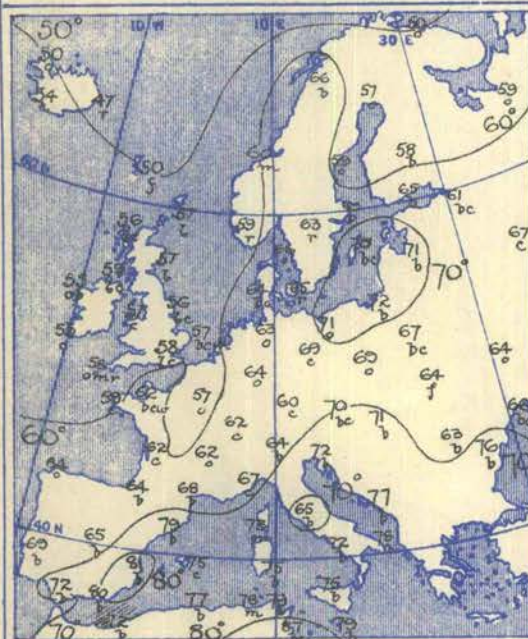
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning dull and rainy at many of the Scandinavian stations, and also at Scilly, and showery in some parts of Ireland, but fair to fine over our area as a whole. Rain during day in most parts of our Islands, and in different parts of the Continent, largest amounts 1.1 in. at Scilly, 0.8 in. at Roche's Point, and 0.7 in. at Lorient.

Temperature risen over south-eastern Europe, fallen over France, and at most of our own stations. Morning readings ranging from below 50° in Iceland and at Vardø, to between 55° and 60° over nearly all parts of the British Islands, to above 70° over the Mediterranean region generally, and to above 85° in central Algeria. Maxima of 70° or a little below in most parts of Great Britain, but below 60° at some stations in the west. Rising to 111° and 113° at Laghouat and Biskra respectively.

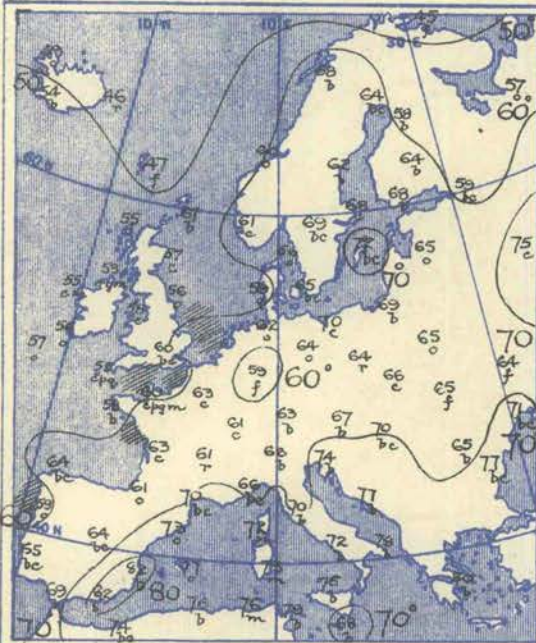
Wind chiefly Southerly to South-Westerly over our Islands, and light or moderate in force, but South-Easterly off our south-west coasts, Easterly over the northern and eastern countries of the Continent, and Northerly in the Mediterranean region. Wind backing to South-East in all parts of England during day, and increasing to a gale in the Channel, shifting to the Northward in Ireland; very little change elsewhere.

Barometer in morning highest, 30.2 ins. to 30.3 ins. over northern Europe, lowest, about 29.6 ins. in a depression off the west of Scotland, and about the same value in another to the westward of Scilly. Former disturbance not changing its position much during day, but latter increasing greatly in depth and advancing north-eastwards. No change of importance on the Continent.

Tuesday, 2nd August, 1910.

Temperature and Weather.

7 a.m.

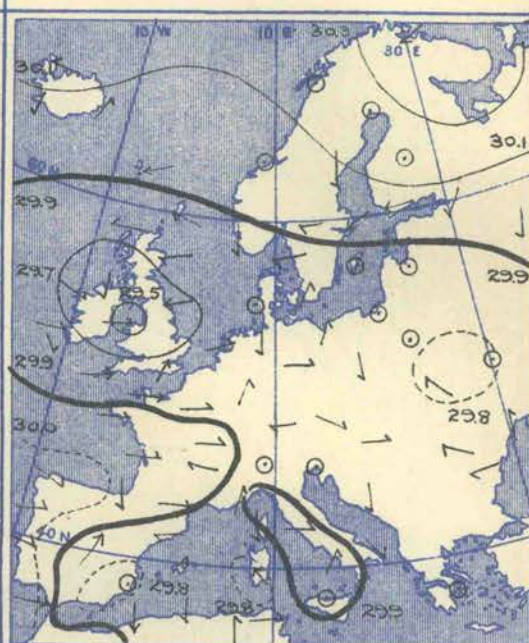


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally dull and rainy over Ireland, but fair locally in the south-east of England, cloudy, with some fog, in Scotland; dull, with rain in places, also in France and north Germany, but fair on the Continent as a whole, and very fine in Italy and over the Baltic region. Heavy rain during day in many parts of the British Islands, and in various parts of the Continent, largest amounts, $\frac{3}{4}$ in. at Malin Head, about 1 in. at Lyons and Perpignan, more than that quantity at Turin, Zurich and Skudnesnaes.

Temperature fallen over Germany, but changed irregularly over Europe as a whole. Readings at 7 a.m. ranging from below 50° in Iceland and Faroe, to between 54° and 64° over the British Islands, to about 70° over the Baltic, and to between 75° and 82° over the Mediterranean region generally. Not rising to 70° in any part of the United Kingdom during day, but maxima of 80° to 90° in most parts of the Continent.

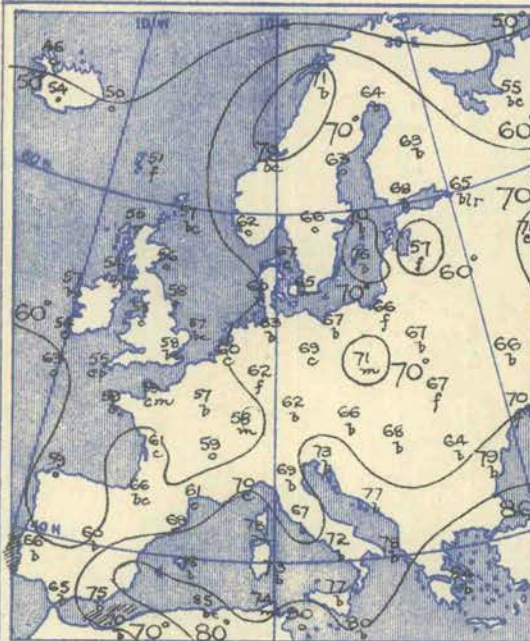
Wind in morning showing a complete cyclonic circulation over these Islands, the South-Westerly to Westerly wind blowing a fresh to strong gale over the western part of the Channel, moderate Easterly winds over northern Europe, and moderate from South-West or West on the Bay of Biscay, variable airs in other parts of our area. Gale in Channel subsiding later, but little other change taking place.

Barometer highest, 30.3 ins. and upwards, over the White Sea, and similarly high in the region of the Azores, lowest, 29.8 ins. to less than 29.5 ins. in a depression covering the British Islands, and about 29.8 ins. over southern Russia and north Germany. Centre of former disturbance moving from South Wales to the Irish Sea during day, no other change of importance.

Wednesday, 3rd August, 1910.

Temperature and Weather.

7 a.m.

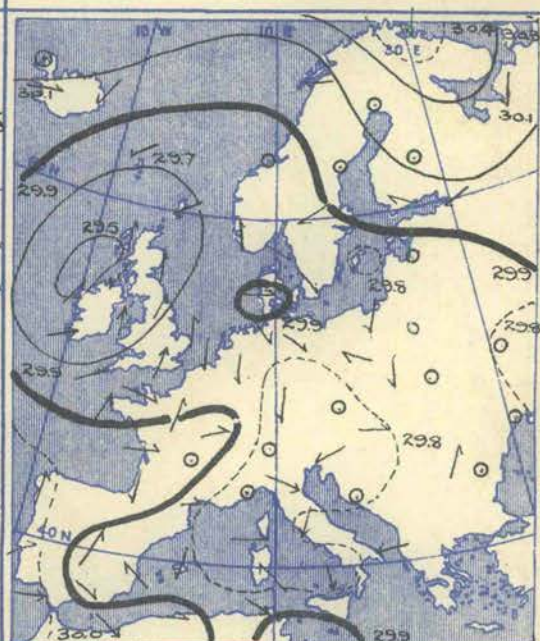


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine and bright over Italy and south-eastern Europe, and also in Lapland and Finland, fair over the remainder of the Continent and the greater part of the British Islands, but rainy in the extreme north of Scotland, and at Fano, and a thunderstorm in progress at St. Petersburg. Thunderstorms occurring in various parts of England and Ireland during the day, and heavy rain falling in the south and south-west of Ireland, but remaining fine for the most part over England.

Temperature not changing much; 7 a.m. readings ranging from below 50° in Iceland, to between 58° and 60° over England and the adjacent part of France, and to between 70° and 85° over the Mediterranean region. Maxima over these Islands again below 70° generally, but as high as 85° to 90° in the south of Europe, and as high as 111° at Tunis.

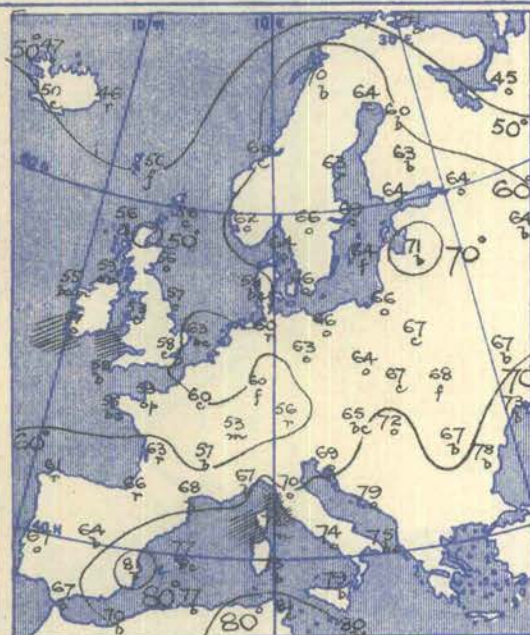
Wind in morning North-Easterly to South-Easterly in the northern parts of these Islands, South-Westerly over the southern half; light or moderate in force as a whole; Easterly over northern Europe, but variable over the Continent generally. The South-Westerly or Southerly current becoming general over the British Islands later; no change of importance elsewhere.

Barometer in morning highest, 30.4 ins. over the Arctic region to the northward of Scandinavia, and about 30.3 ins. in the neighbourhood of the Azores; lowest, 29.5 ins. and less in a depression over the west of Scotland and north of Ireland, and relatively low over the Mediterranean and southern Russia. Pressure undergoing very little change during day.

Thursday, 4th August, 1910.

Temperature and Weather.

7 a.m.

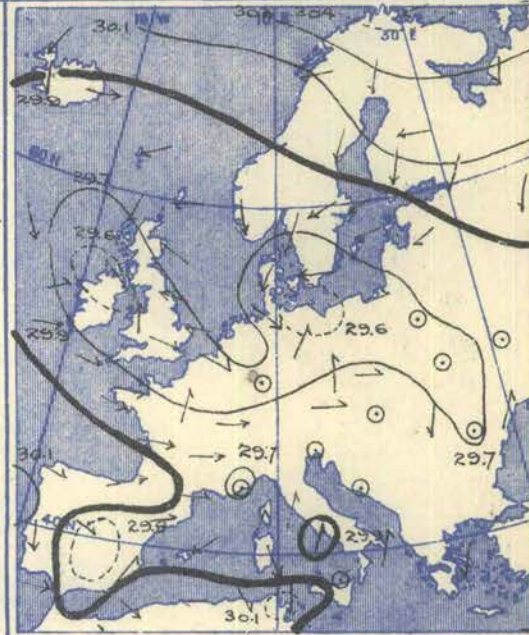


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine and bright at some stations in the Mediterranean region and south-eastern Europe, cloudy or overcast in most other parts of our area, with rain over the middle part of the Channel and down the west of France and at a few stations in Germany, Finland, and Sweden. Thunderstorms occurring during day in various parts of our Islands and exceedingly heavy rain in different parts of the Continent, 1 in. at Berlin, 1.1 in. at Lugano, 1.5 in. at Utrecht, 2.5 ins. at Fano and 2.7 ins. at Hamburg.

Temperature changed irregularly. Morning readings below 50° in the Icelandic region, about 55° over the British Islands as a whole, above 60° on our south-east coasts and over the major part of the Continent, and between 70° and 80° in the south of our area. Maxima during day not exceeding 70° in any part of our Islands, but rising to between 80° and 90° in the southern countries, and reaching 105° in Central Algeria.

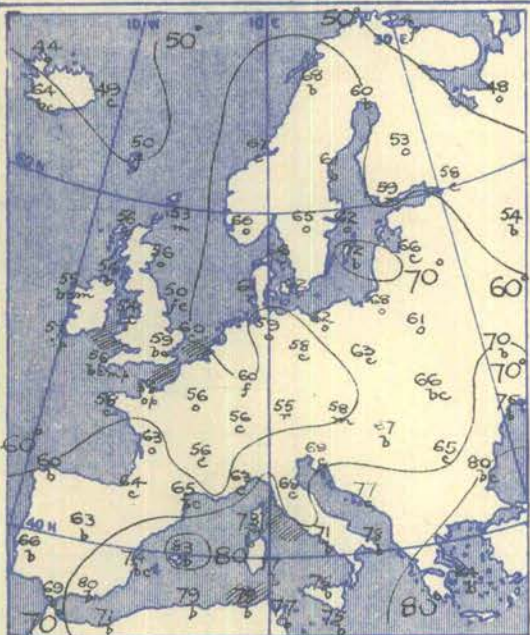
Wind at 7 a.m. showing a cyclonic circulation around our Islands, and generally light or moderate in force; South-Westerly over the Bay of Biscay and the Peninsula, and light or moderate from East in northern Europe; variable on the Continent generally. Not much change during day.

Barometer in morning highest, 30.3 ins. and upwards, both over northern Europe, and also in the neighbourhood of the Azores. Lowest 29.5 ins. and less in a depression centred over Ireland, and about 29.7 ins. in a shallow low pressure system over Central Europe. Depression over Ireland becoming less deep during day, but that over the Continent becoming more clearly marked.

Friday, 5th August, 1910.

Temperature and Weather.

7 a.m.

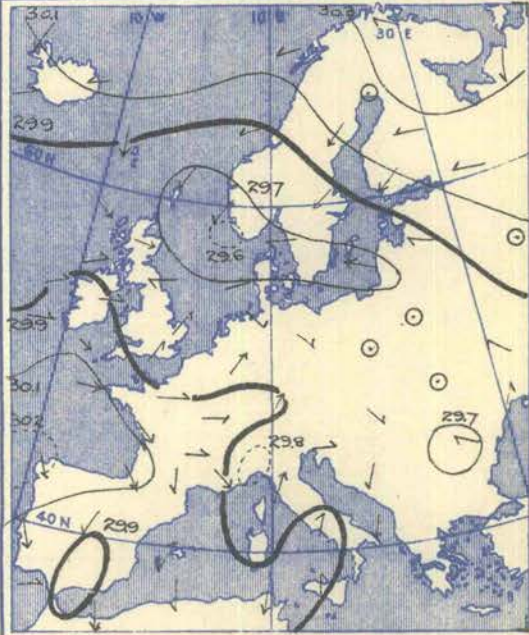


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine at some of our own north-western and south-western stations, but cloudy or overcast over our Islands as a whole, with rain at Dover, showers at Scilly and Valencia, and wet fog at some north-eastern coast stations. Rainy also over Denmark and at Munich, and a thunderstorm in progress at Toulouse, fine at most of the Scandinavian, Russian and Mediterranean stations. No rain during day in Italy, Spain, the south of France, or at the northern European stations, but considerable local falls in most other countries; largest measurements, 1.2 in. at Lemberg, and 1.7 in. at Skagen, 0.9 in. at Wick.

Temperature fallen in most countries. Morning readings ranging from below 50° in Iceland and the extreme north of Europe, to between 50° and 60° over the British Islands and the adjacent countries, and to between 70° and 80° in the south of Europe generally. Maxima during day over the British Islands ranging from about 60° in the north to a little below 70° at some central and eastern stations. Considerably warmer in Scandinavia, and in the Mediterranean countries generally between 80° and 90°.

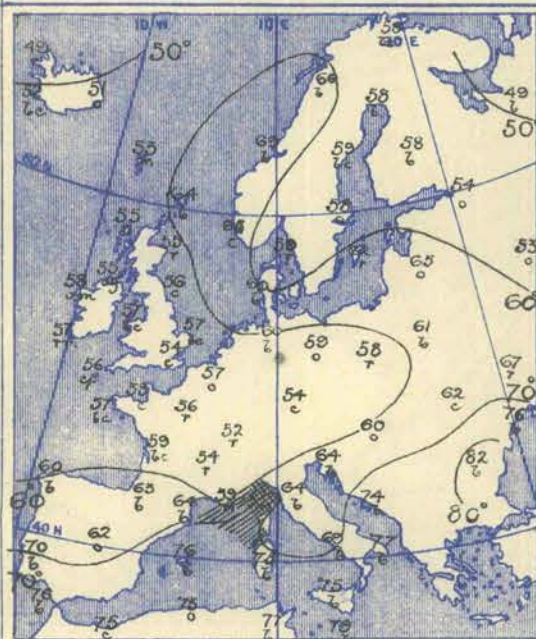
Wind in morning showing a cyclonic circulation over the greater part of north-western Europe, North-Easterly over Scandinavia. North-Westerly over the British Islands and the Bay of Biscay, and South-Westerly over Germany and eastern France. Variable over Russia and the southern countries. Mostly moderate in force but fresh at one or two places. Backing to South-West over the south-east of England during day, no other change of importance.

Barometer in morning highest, about 30½ ins. over northern Russia and in the neighbourhood of the Azores, lowest, below 29.5 ins. over Denmark, below 29.8 ins. over south-eastern Europe, and below 29.9 ins. over central Spain. Depression over Denmark becoming less deep during day, and moving in a westerly direction towards Scotland. Not much change in the distribution of pressure on the Continent.

Saturday, 6th August, 1910.

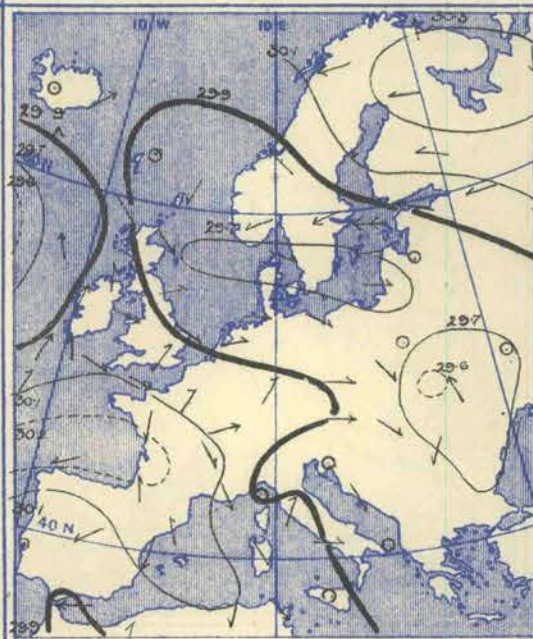
Temperature and Weather.

7 a.m.

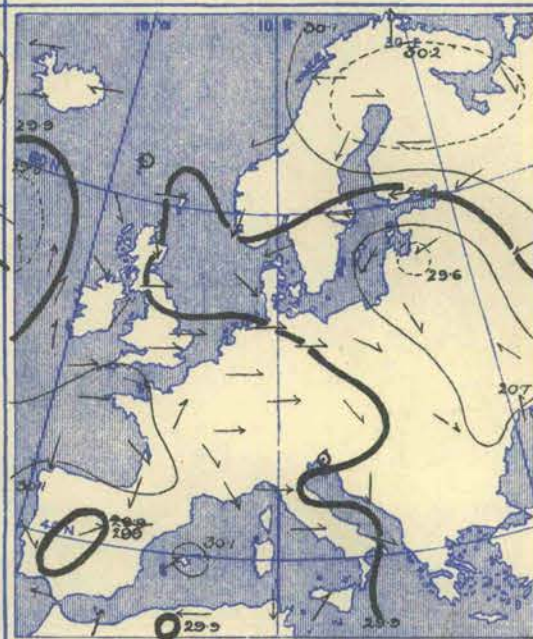


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair over the greater part of England, dull and rainy at most of the Irish and Scotch stations. Fine and bright in the northern parts of Scandinavia and Russia, in the south-east of the latter country, and over the Mediterranean regions generally. Rain falling at most of the Irish and Scotch stations during day, but remaining fair over the greater part of England. Rain also in many parts of Germany, Austria and southern Russia, over an inch at Carlsruhe and Cracow.

Temperature fallen in most Continental countries, changed irregularly over the British Islands. Readings at 7 a.m. ranging from below 50° at Archangel and in the north of Iceland and about 55° at most of our own stations to between 65° and 70° in Norway, and to about 75° on the southern shores of the Mediterranean. Maxima again below 70° in all parts of the British Islands and below 60° in the north of Scotland. Those on the Continent also low generally, but high in Norway, 77° at Christiansund.

Wind in morning light to fresh from West or North-West over Great Britain and the neighbouring parts of the Continent, but Southerly in the north and west of Ireland; Easterly or North-Easterly over northern Europe, strong in many places, with a gale at Stockholm; variable in most other parts of our area; fresh to high West or North-Westerly wind locally over the Riviera and Gulf of Genoa. Very little change during day, gale in the south of Sweden maintained.

Barometer in morning highest about 30.3 ins. over the White Sea region and about 30.2 ins. in a system stretching from the Azores to the southern part of the Bay of Biscay; lowest 29.7 ins. and below in a long band stretching from the coast of Scotland across Denmark to the Baltic Provinces and about the same value over Austria; depression also shown on the Atlantic, readings 29.6 ins. and less. Depression over the North Sea and Denmark filling up later, but shallow low pressure system continuing over the Baltic Provinces and Western Russia.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						200 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. August 2nd, 6.30 p.m. to 8.0 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	287° 90% 250°, 11	284.5° 100% 245°, 13.4	281.5° 100% 9°, 11					279° 100% 9°, 12	{ Overcast Nb.; lowest clouds 455 m. above sea, where kite went from view.
2	August 3rd, 7.45 p.m. to 10.0 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	287.2° 89% 180°, 5	?° ?% ?	284.5° 80% 9°, 11						{ Overcast Nb. and Cu.-Nb. Showers at 300 m., Humidity 70%. Kite not seen during flight.
3	August 6th, 3.30 p.m. to 5.15 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	288° 93% 200°, 5.5	?° 93% 255°, 11	284° 83% 230°, 4.5						{ Half overcast A.-Cu. and Nb. Very weak wind, kite raised by wind- ing in rapidly. Indistinct trace.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3
No. of Kite	1	1	1
Area of Surface (sq. metres) ..	4.5	7	7
Length of Wire (metres) ..	1,600	1,000	900

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 32. THIRTY-SECOND WEEK, SUNDAY, AUGUST 7TH, TO SATURDAY, AUGUST 13TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—About the middle of the week the weather was fair and dry, but at other times it was in a changeable showery condition over the United Kingdom generally. Thunder occurred in a few isolated places, mostly during the earlier half of the period.

Temperature was considerably above the average in Scotland N. and W. and appreciably above it in most other districts. In the English Channel the mean value agreed with the normal, while in England S.E. it was slightly below it. The highest temperatures were recorded as a rule between the 10th and 12th, when the thermometer rose to between 70° and 75° in all districts, and slightly above 75° at a few of the English stations. In the east and south-east of England the lowest readings were observed mostly on the 7th, but in other parts of the country they occurred more commonly on the 10th or 11th. In the English Channel the thermometer did not fall below 52°, but over a considerable portion of Great Britain it went below 45°, and in Scotland E. and England N.W. it touched 40°. The lowest temperatures on the grass were 32° at Newton Rigg, and 36° at Balmoral, West Linton, and Sheffield.

Mean Temperature of the Sea.—On most portions of the English and Irish coasts, and off the west of Scotland, the sea water was cooler than in the corresponding week of last year, but on the north and east coasts of Scotland it was, as a rule, much warmer. The mean values ranged from between 62° and 64° at the English Channel stations to 55° or slightly below it on several parts of the North British coasts.

Rainfall was generally slight, the amount in most of the English and Scotch districts being considerably less than half the average.

Bright Sunshine was in excess of the normal in Scotland N. and E. and slightly in excess in Ireland N. In all other districts the duration was small. The percentage of the possible amount ranged from 41 in the English Channel and 36 in Scotland E. to 27 in Ireland S., 26 in the Midland Counties, and 24 in England E.

Barometer and Wind.—At the commencement of the week the distribution of barometrical pressure was of a complex cyclonic type, and the winds over the United Kingdom were light in force and very variable in direction. Towards the middle of the period, when a large anti-cyclone extended temporarily southwards from the Icelandic region, a Northerly to North-Easterly current set in, and blew freshly or strongly on our eastern and south-eastern coasts. In the latter half of the week a well-marked depression advanced from the Atlantic and passed eastward directly across the country, the accompanying winds being South-West to North-West over the greater part of Ireland and England, but rather variable in Scotland.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 260.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate
	Rainfall ...	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light	Light
	Sunshine ...	Abundant	Abundant	Moderate	Scanty	Scanty	Scanty	Moderate	Moderate	Scanty	Moderate	Scanty	Scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 10 weeks from June 5th, 1910.	Warmth ...	5 * 2	2 * 5	3 * 4	2 * 4	3 * 5	2 * 6	4 * 4	3 * 3	2 * 5	5 * 2	2 * 4	1 * 6
		1 * 4	2 * 4	3 * 5	4 * 3	4 * 4	5 * 3	2 * 4	4 * 4	4 * 3	3 * 2	5 * 3	3 * 2
	Sunshine ...	5 * 3	4 * 5	1 * 5	1 * 7	1 * 6	1 * 6	4 * 3	3 * 2	1 * 4	3 * 2	3 * 3	1 * 5

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THIRTY-SECOND WEEK—August 7th to August 13th, 1910.

DISTRICTS. (See Frontispiece map.)		THIRTY-SECOND WEEK—August 7th to August 13th, 1910.																	
		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
		°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°	°
0. SCOTLAND, NORTH		75	47	65.0	52.4	58.3	+ 3.5	Day-deg. 114	Day-deg. + 24	Day-deg. 0	Day-deg. 0	3	- 2	Inches. 0.34	Inches. -0.59	34	+ 8	% 31	% + 8
Eastern																			
1. SCOTLAND, EAST		75	40	66.7	50.6	58.2	+ 2.0	113	+ 13	0	0	2	- 2	0.23	-0.43	39	+ 5	36	+ 4
2. ENGLAND, N.E.		76	42	68.1	52.9	60.1	+ 1.7	127	+ 12	0	0	3	0	0.25	-0.35	37	- 1	34	- 1
3. ENGLAND, EAST		75	45	67.4	54.0	60.3	+ 0.1	128	0	0	0	3	0	0.18	-0.31	25	- 18	24	- 17
4. MIDLAND COUNTIES		76	41	68.7	52.5	60.1	+ 0.7	127	+ 5	0	0	4	+ 1	0.29	-0.25	27	- 12	26	- 11
5. ENGLAND, S.E.		76	42	68.2	54.0	60.7	- 0.6	131	- 4	0	0	3	0	0.15	-0.31	34	- 11	33	- 11
Western																			
6. SCOTLAND, WEST		74	43	68.6	53.1	60.4	+ 3.6	129	+ 25	0	0	2	- 2	0.56	-0.44	32	- 4	30	- 4
7. ENGLAND, N.W.		76	40	67.3	53.5	60.0	+ 1.4	126	+ 10	0	0	3	- 1	0.33	-0.44	35	- 2	33	- 2
8. ENGLAND, S.W.		74	41	67.2	54.8	60.6	+ 1.0	130	+ 7	0	0	4	0	0.36	-0.29	30	- 13	29	- 13
9. IRELAND, NORTH		75	47	66.7	53.6	59.7	+ 2.4	124	+ 17	0	0	4	0	0.48	-0.41	31	+ 1	29	+ 1
10. IRELAND, SOUTH		75	45	67.8	54.9	61.0	+ 2.2	133	+ 14	0	0	5	+ 1	0.63	-0.23	28	- 7	27	- 7
11. ENGLISH CHANNEL		74	52	67.7	56.7	61.8	0.0	139	+ 1	0	0	3	- 1	0.15	-0.41	42	- 15	41	- 15

THE SEASON (Summer).—Aggregates, &c., for the Period of 10 Weeks, June 5th to August 13th, 1910.

0. SCOTLAND, NORTH	82	34	*	*	*	*	885	+ 37	0	- 2	35	- 7	5.68	-1.86	329	+ 17	27	+ 1
Eastern																		
1. SCOTLAND, EAST	80	30	*	*	*	*	895	- 61	0	- 1	36	0	5.76	-0.35	357	- 23	30	- 2
2. ENGLAND, N.E.	81	37	*	*	*	*	1052	- 22	0	0	32	+ 1	4.32	-0.82	356	- 72	31	- 6
3. ENGLAND, EAST	83	39	*	*	*	*	1155	- 51	0	0	36	+ 6	5.47	+0.53	359	-111	32	- 10
4. MIDLAND COUNTIES	83	40	*	*	*	*	1128	- 48	0	0	33	+ 3	5.69	+0.52	355	- 67	31	- 6
5. ENGLAND, S.E.	81	39	*	*	*	*	1179	- 86	0	0	34	+ 6	5.93	+1.27	371	-113	33	- 10
Western																		
6. SCOTLAND, WEST	81	37	*	*	*	*	1047	+ 33	0	0	32	- 5	7.44	-0.33	443	+ 35	38	+ 3
7. ENGLAND, N.W.	81	38	*	*	*	*	1094	- 18	0	0	32	- 2	6.67	+0.33	439	+ 15	39	+ 1
8. ENGLAND, S.W.	81	34	*	*	*	*	1094	- 79	0	0	35	+ 2	7.78	+1.69	391	- 68	35	- 6
9. IRELAND, NORTH	79	37	*	*	*	*	1016	- 8	0	0	41	- 1	8.45	+1.35	401	+ 59	35	+ 5
10. IRELAND, SOUTH	79	41	*	*	*	*	1115	- 19	0	0	43	+ 7	8.22	+1.40	394	+ 10	35	+ 1
11. ENGLISH CHANNEL	79	47	*	*	*	*	1187	- 77	0	0	36	+ 3	5.82	+0.97	447	-115	41	- 11

THE YEAR.—Aggregates, &c., for the Period of 32 Weeks, January 2nd to August 13th, 1910.

0. SCOTLAND, NORTH	82	2	*	*	*	*	1338	+ 42	595	+ 38	147	+ 1	30.29	+1.91	869	+ 63	29	+ 2
Eastern																		
1. SCOTLAND, EAST	80	-10	*	*	*	*	1407	- 80	636	+ 16	127	+ 7	18.34	+0.97	953	0	32	0
2. ENGLAND, N.E.	81	6	*	*	*	*	1690	+ 64	454	- 21	119	+11	18.81	+0.19	955	- 74	32	- 3
3. ENGLAND, EAST	83	17	*	*	*	*	1921	+ 24	393	-128	122	+17	15.78	+2.52	1053	- 47	36	- 2
4. MIDLAND COUNTIES	83	10	*	*	*	*	1883	- 12	474	- 59	122	+18	15.83	+0.95	979	- 10	33	0
5. ENGLAND, S.E.	81	13	*	*	*	*	1980	- 52	294	- 87	124	+25	17.68	+3.41	1074	- 41	37	- 2
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	1665	+ 59	432	+ 7	134	+ 8	26.91	+1.32	1017	+ 36	34	+ 1
7. ENGLAND, N.W.	81	7	*	*	*	*	1754	+ 18	338	- 48	136	+21	22.20	+3.57	1067	+ 72	36	+ 3
8. ENGLAND, S.W.	81	8	*	*	*	*	1866	- 72	242	- 59	131	+18	23.66	+3.49	1086	- 10	37	0
9. IRELAND, NORTH	79	7	*	*	*	*	1669	- 15	351	+ 6	152	+15	25.16	+4.10	940	+ 37	32	+ 1
10. IRELAND, SOUTH	79	18	*	*	*	*	1933	- 20	258	- 1	154	+32	26.71	+4.37	989	- 17	34	- 1
11. ENGLISH CHANNEL	79	28	*	*	*	*	2120	- 63	54	- 55	130	+10	20.23	+3.46	1218	-108	42	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 1 In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 ‡ The corresponding value for Reports Nos. 30 and 31 slightly altered owing to the receipt of further information.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.	
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°.		Below 42°.
										Day.	Day.									
0. SCOTLAND, N.	a, Islands.	p Baltasound	8	69	7th	45	10th, 11th	61.9	51.4	56.3	—	100	0	1	0.04	33.1	—	43	Baltasound.	
	b, Main-land.	a Sumburgh Head	8	73	8th	48	10th	63.0	51.4	56.4	+ 4.2	101	0	1	0.03	—	—	27	Deerness.	
		a Stornoway	8	69	9th	48	11th	64.1	52.6	58.0	+ 4.0	112	0	4	0.57	43.9	+12.9	30	Stornoway.	
		a Castlebay, Barra Isd.	8	68	10th	52	10, 11, 13th	62.6	53.7	57.9	+ 1.4	111	0	4	1.08	41.4	—	33	Castlebay.	
		a Wick	8	64	13th	48	13th	60.3	50.0	54.8	+ 0.4	90	0	4	0.63	—	—	33	Strathpeffer.	
		p Strathpeffer	8	69	7th, 8th	51	9th	66.8	53.9	60.0	+ 4.5	126	0	2	0.20	36.7	+ 8.5	33	Fort Augustus.	
1. SCOTLAND, E. . .	b, Main-land.	p Glencarron	72	70	10th, 11th	49	10th	66.1	52.5	58.9	+ 5.2	118	0	3	0.46	1.06	—	—	—	—
		p Fort Augustus	70	12th	47	9th	65.0	53.1	58.7	+ 3.0	117	0	2	0.13	—	—	32	+12	—	—
		p Fort William	75	9th	51	9th, 10th	70.8	53.4	61.6	+ 5.3	137	0	3	0.38	—	—	—	—	—	
		p Gordon Castle	72	8th	46	11th	67.3	49.1	57.7	+ 1.4	110	0	1	0.06	—	—	43	—	—	
		a Nairn	70	8th	50	13th	63.9	52.0	57.6	+ 1.4	109	0	4	0.15	—	—	27	—	—	
		a Aberdeen	69	12th	51	13th	64.4	53.1	58.4	+ 2.4	115	0	2	0.18	—	—	31	—	—	
2. ENGLAND, N.E.	b, Main-land.	a Balmoral	73	11th	40	9th	69.4	45.6	56.8	+ 3.4	104	0	1	0.16	—	—	43	—	—	
		p Crieff	75	12th	50	10th	69.9	53.1	61.0	+ 3.5	133	0	2	0.41	—	—	34	—	—	
		a Leith	73	12th	50	10th	64.9	53.0	58.6	+ 0.6	116	0	1	0.54	—	—	—	—	—	
		a West Linton	71	12th	40	10th	66.7	48.2	56.9	+ 2.0	104	0	3	0.35	—	—	45	—	—	
		p Marchmont	72	11th	45	10th	67.1	50.9	58.5	+ 2.7	116	0	1	0.39	—	—	44	+11	—	
		a Alnwick Castle	72	12th	42	10th	65.7	50.9	57.9	+ 1.1	111	0	2	0.27	—	—	38	—	—	
3. ENGLAND, E.	b, Main-land.	a Shields	73	12th	47	11th, 12th	65.4	50.6	57.6	—	109	0	2	0.11	—	—	33	+ 4	—	
		p Durham	74	12th, 13th	47	11th	68.7	52.0	59.9	+ 2.0	125	0	2	0.11	—	—	42	+ 9	—	
		p Rounton	72	11th	43	11th	66.7	51.2	58.5	+ 1.2	116	0	4	0.19	—	—	26	—	—	
		p Scarborough	72	13th	50	11th	68.7	54.7	61.3	+ 2.9	135	0	2	0.12	—	—	37	—	—	
		p York	74	13th	48	10th	71.4	53.4	61.9	+ 2.7	139	0	4	0.19	—	—	37	+ 4	—	
		a Spurn Head	70	13th	53	11th	66.6	55.1	60.0	+ 0.6	126	0	4	0.36	—	—	30	—	—	
4. MIDLAND COUNTIES.	b, Main-land.	a Lincoln	75	11th	53	7th, 10th	69.7	54.5	61.6	+ 1.9	137	0	4	0.45	—	—	33	—	—	
		a Fulbeck	76	11th	51	10th	70.6	54.0	61.8	+ 2.1	139	0	5	0.41	—	—	25	—	—	
		p Cromer	69	12th	49	7th	64.6	53.8	58.9	—	118	0	4	0.08	—	—	13	—	—	
		p Hillington	75	11th	47	10th	68.2	52.8	60.0	+ 0.1	126	0	3	0.33	—	—	28	—	—	
		a Yarmouth	70	12th	50	7th	66.0	55.7	60.5	+ 0.2	130	0	2	0.04	—	—	22	—	—	
		a Norwich	73	11th	50	7th	67.7	54.1	60.5	+ 0.4	130	0	5	0.20	—	—	—	—	—	
5. ENGLAND, S.E. . .	b, Main-land.	p Geldeston	72	12th	47	7th	67.3	53.9	60.2	+ 0.5	127	0	6	0.25	—	—	24	—	—	
		p Cambridge	74	11th	45	7th	68.1	52.9	60.0	+ 0.2	126	0	4	0.32	—	—	22	—	—	
		a Felixstowe	71	12th	49	11th	66.6	54.9	60.4	—	129	0	2	0.02	—	—	29	—	—	
		a Clacton-on-Sea	73	12th	50	7th, 11th	68.3	54.3	60.9	—	132	0	1	0.02	—	—	31	—	—	
		a Rothamsted	71	12th	47	7th	67.0	52.8	59.5	—	123	0	4	0.22	—	—	25	—	—	
		a Shoeburyness	73	12th	50	11th	68.9	54.6	61.3	+ 1.2	135	0	3	0.13	—	—	29	—	—	
6. LONDON . . .	b, Main-land.	p Tottenham	75	12th	50	7th	69.2	55.6	62.0	+ 0.3	140	0	2	0.18	—	—	27	—	—	
		a Harrogate	71	11th	50	9th, 11th	66.5	52.9	59.3	+ 1.3	121	0	4	0.22	—	—	33	—	—	
		a Bawtry	76	11th	49	11th	69.9	53.3	61.1	+ 1.5	134	0	4	0.32	—	—	23	—	—	
		p Buxton	72	11th	43	11th	64.3	50.0	56.7	+ 0.3	103	0	3	0.61	—	—	30	—	—	
		a Nottingham	75	11th	48	11th, 12th	69.4	52.6	60.5	+ 0.9	130	0	7	0.44	—	—	25	—	—	
		p Birmingham, Edgbsn	74	11th	49	11th	67.8	53.2	60.1	+ 1.4	127	0	2	0.16	—	—	24	—	—	
7. ENGLAND, N.W. . .	b, Main-land.	a Raunds	73	13th	52	7th	68.5	55.0	61.4	+ 1.0	136	0	3	0.20	—	—	—	—	—	
		a Oxford	73	11th	48	11th	68.0	53.1	60.1	+ 0.5	127	0	4	0.31	—	—	25	—	—	
		a Cheadle	71	11th	48	11th	66.1	51.0	58.1	+ 0.7	113	0	3	0.43	—	—	26	—	—	
		p Shrewsbury	76	10th	41	11th	69.9	51.7	60.3	+ 1.2	128	0	4	0.22	—	—	—	—	—	
		a Hereford	74	11th	44	11th	68.9	52.6	60.3	+ 0.9	128	0	4	0.23	—	—	22	—	—	
		a Cirencester	75	11th, 12th	43	11th	71.4	50.6	60.4	+ 1.9	129	0	4	0.23	—	—	30	—	—	
8. ENGLAND, S.W. . .	b, Main-land.	a Bath	73	11th	47	11th	68.9	54.3	61.2	+ 1.2	134	0	5	0.29	—	—	30	—	—	
		p Kew	75	12th	49	7th	68.7	54.9	61.4	+ 0.2	136	0	3	0.07	—	—	36	—	—	
		a Marlborough	72	11th	42	11th	69.1	52.0	60.0	+ 1.2	126	0	4	0.43	—	—	30	—	—	
		a Margate	69	12th	50	7th	66.4	56.0	60.9	+ 1.0	132	0	4	0.19	—	—	30	—	—	
		a Wisley, Surrey	76	12th	48	7th	70.8	53.7	61.7	—	138	0	1	0.02	—	—	36	—	—	
		a Swaraton	74	12th	45	7th	69.5	52.5	60.5	+ 1.2	130	0	3	0.24	—	—	36	—	—	
9. IRELAND, N.	b, Main-land.	a Tunbridge Wells	72	10th, 11th	47	7th	69.5	51.8	60.1	—	127	0	3	0.07	—	—	36	—	—	
		p Dungeness	70	10th	46	7th	64.4	54.7	59.3	—	121	0	1	0.07	—	—	36	—	—	
		p Hastings	71	10th	50	7th	66.1	54.3	59.9	+ 1.3	125	0	4	0.28	—	—	40	—	—	
		p Southampton	75	13th	50	7th, 11th	71.8	55.0	62.9	+ 0.6	146	0	2	0.05	—	—	37	—	—	
		a Ventnor	72	10th	53	7th, 9th	66.0	55.3	60.3	+ 1.9	128	0	1	0.03	—	—	26	—	—	
		a Westminister	76	12th	50	7th	69.1	54.6	61.4	+ 0.5	136	0	5	0.16	—	—	26	—	—	
10. IRELAND, S.	b, Main-land.	a Greenwich	77	12th	49	7th	71.2	54.2	62.2	+ 0.1	141	0	5	0.18	—	—	27	—	—	
		a Poltalloch	73	9th	48	8th	69.0	56.1	62.2	+ 5.1	141	0	4	0.84	—	—	—	—	—	
		p Glasgow	69	9, 10, 11, 12	50	10th	67.3	54.3	60.7	+ 4.0	131	0	1	0.41	—	—	25	—	—	
		p Rothesay	74	10th	52	10th	69.7	54.4	61.6	+ 4.6	137	0	2	0.65	—	—	—	—	—	
		a Kilmarnock	73	8th	43	11th	69.9	51.3	60.0	+ 2.9	126	0	2	0.53	—	—	33	—	—	
		a Colmoneil	74	7th	45	10th	69.1	52.1	60.1	+ 3.0	127	0	2	0.29	—	—	—	—	—	
11. ENGLISH CHANNEL.	b, Main-land.	p Dumfries	73	10th	47	10th	69.4	51.6	60.0	+ 2.1	126	0	2	0.57	—	—	33	—	—	
		p Cally, Gatehouse	74	10th	45	10th	68.6	51.0	59.3	+ 2.7	121	0	2	0.64	—	—	—	—	—	
		p Douglas	69	10th	52	10, 11, 12th	65.5	53.6	59.2	+ 2.3	120	0	3	0.58	—	—	35	—	—	
		a Aspatia	75	10th	46</															

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	58·8	—	Harrogate	0	42	57·3	55·8	6. Dumfries	0	42	60·7	58·6
1. Aberdeen	—	—	—	53·8	Huddersfield	0	42	60·0	55·3	Douglas	0	45	—	—
Crathes	0	41	59·6	54·8	Buxton	0	41	57·9	53·9	Aspatia	0	37	59·0	54·7
Balmoral	0	36	—	—	Sheffield	0	36	58·6	55·2	Newton Rigg	0	32	59·7	56·0
West Linton	0	36	—	—	Nottingham	0	43	59·9	58·4	Burnley	0	37	58·1	54·8
Marchmont	0	38	58·7	—	Birmingham	0	38	55·9	52·4	Southport	0	44	62·6	60·3
Cockle Park	0	40	58·5	55·2	Oxford	0	39	—	—	Manchester City	0	47	60·2	58·1
Durham	0	43	—	—	Hereford	0	39	59·2	56·3	Bettws-y-Coed	—	—	—	—
2. York	—	—	60·4	57·1	Gloucester	0	39	62·6	60·0	Llangammarch Wells	0	37	59·2	55·0
Hull	0	49	60·7	56·0	Bath	—	—	61·2	58·3	Cardiff	0	45	61·4	57·7
Lincoln	—	—	61·3	57·0	Margate	0	47	—	—	Clifton	0	43	—	—
Rauceby	0	48	61·7	57·6	Greenwich	0	41	—	—	Plymouth	0	51	—	—
Norwich	0	46	—	—	Westminster	0	45	—	—	3. Armagh	0	44	62·7	58·1
Yarmouth	—	—	64·4	60·7	Kew	0	42	61·7	58·0	Markree	0	45	62·2	57·6
Lowestoft	0	46	63·9	60·4	Canterbury	0	42	61·0	61·0	10. Dublin, Trin. Coll. ..	0	42	60·9	57·4
3. Cambridge	0	40	61·2	59·0	Tunbridge Wells	0	39	62·9	—	11. Guernsey, Brooklyn	0	48	63·8	60·2
Clacton-on-Sea	0	44	61·5	59·3	Wisley	0	43	62·1	59·2					
Southend	0	51	63·0	—	Worthing	0	42	63·5	59·8					
Tottenham	0	46	—	59·4	Portsmouth	0	44	62·4	59·9					
					Glasgow	0	45	—	—					
					Rothsay	—	—	—	55·1					
					Colmonell	0	43	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	55	55	55·0	SCOTLAND, W.	Lamlash	59	53	55·0
	Kirkwall	56	55	55·1		Ballantrae	56	55	55·5
	Wick	54	52	53·2	ENGLAND, N.W.	Port Erin	58	56	56·6
SCOTLAND, E.	Cromarty	60	58	59·0		Newquay	63	61	62·2
	Pennan Bay	59	54	56·6	ENGLAND, S.W.	Silly	59	55	56·3
	Aberdeen, Cove Bay	55	54	54·9		Plymouth†	59	58	58·8
ENGLAND, N.E.	Burnmouth, Berwick	55	53	54·1		Salcombe	61	55	58·7
	Scarborough	60	53	56·4	IRELAND, N.W.	Sheephaven	61	60	60·4
ENGLAND, E.	Shipwash Lightship	63	60	62·0		Teelin	63	59	61·7
	Margate†	66	62	63·9	IRELAND, S.W.	Cleggan	58	56	57·0
ENGLAND, S.E.	Eastbourne†	64	63	63·4		Seafield	62	58	60·4

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; — = detached cloud; — = overcast; — = misty (hazy); — = foggy; — = squally; — = rain; — = hail; — = snow; — = lightning; — = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 7th August, 1910.

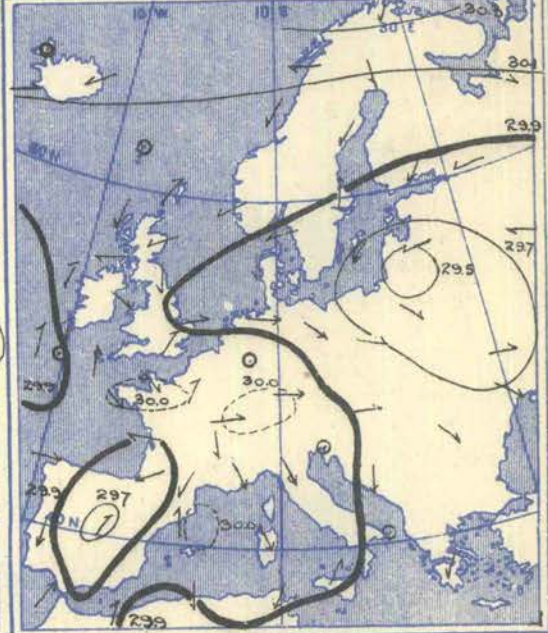
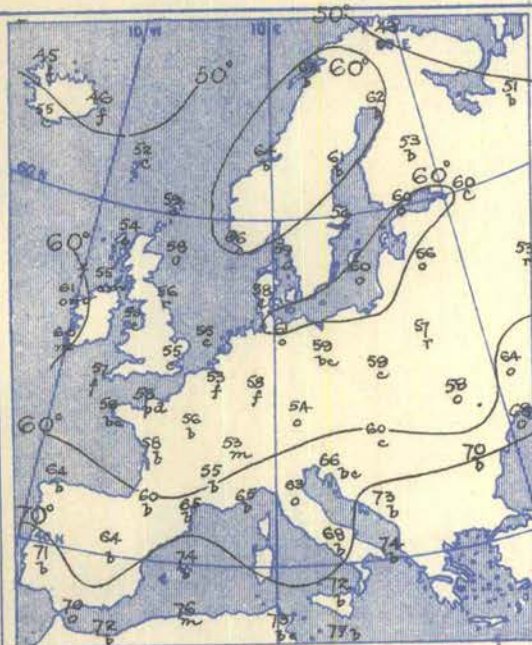
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fine and bright over the Mediterranean region, and over the northern parts of Scandinavia and Russia, fair over the south-east of England, and in most parts of France, but dull, with rain in many places, over the British Islands generally, as well as in other parts of the Continent. Rain falling during day at many of our western and northern stations, in the south of Sweden, over the Baltic, and at some Russian and Austrian stations, 1.0 in. at Warsaw, and nearly 1½ in. at Trieste. Lightning seen in the Hebrides at night.

Temperature risen a little in Ireland, changed irregularly in Great Britain, fallen slightly in most of the Continental countries. Readings at 7 a.m. ranging from about 45° in the north of Iceland and at Varö, and below 60° over the British Islands and central Europe, to about 65° in Norway, and to above 70° over the Adriatic and southern parts of the Mediterranean. Maxima about 70° in the south-east of England, and 75° in central Ireland; below 80° in all but the southern parts of our area, but high in central Algeria, 90° at Biskra, and 109° at Laghouat.

Wind in morning mostly Westerly over England, Northerly in Scotland, and Southerly in the west of Ireland, light or moderate in force; cyclonic circulation over the Baltic and surrounding countries, the North-Easterly wind in Sweden strong to a gale in force. Chiefly North-Westerly over Italy and the Balkan Peninsula, variable over the Mediterranean. Wind backing to South-West over the south of England, and decreasing considerably in force in Sweden, not much change elsewhere.

Barometer in morning highest, about 30½ ins. both over northern Europe and in the neighbourhood of the Azores; lowest, 29.5 ins. and less in a rather deep depression over the Baltic Provinces, and 29.9 ins. in a low pressure system off the west of Ireland, and in another over central Spain. First named depression not changing its position much during day but that over Spain becoming much deeper; little other change.

Monday, 8th August, 1910.

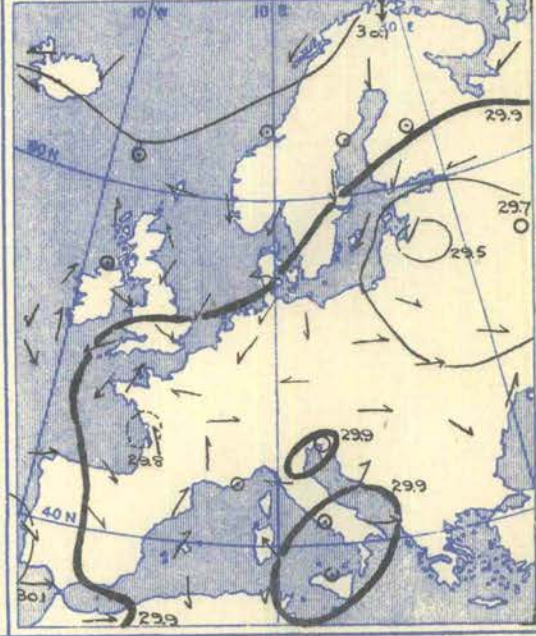
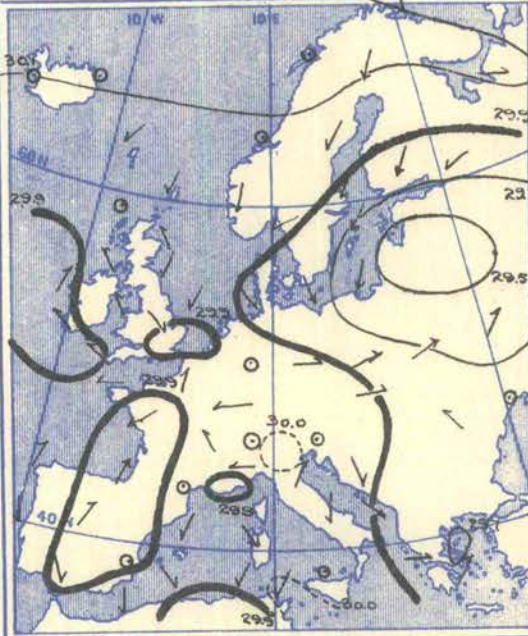
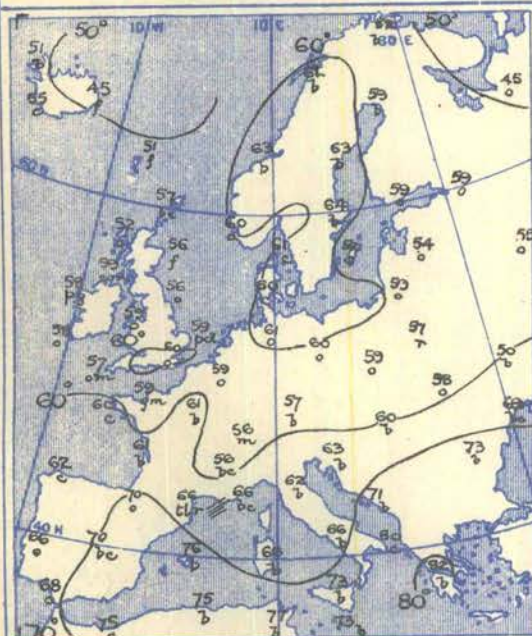
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fine and bright in Scandinavia, as well as at most of the French, Austrian, and Italian stations, cloudy or overcast in most other parts of our area, with rain at several of the Irish stations, at Wick, Yarmouth, and the Helder, and locally at Warsaw; a thunderstorm in progress at Perpignan. Rain falling during day in most parts of the British Islands, largest amount, 0.6 in. at Malin Head, with thunder and lightning in places. Heavy falls in several parts of the Continent, 0.6 in. at Warsaw, 0.8 in. at Flushing, and 0.7 in. to 1.7 in. at several stations in the north of Spain and south of France.

Temperature risen in France and central Spain, changed irregularly elsewhere. Readings at 7 a.m. ranging from below 50° at Archangel and in some parts of Iceland, and below 60° in most parts of the British Islands and central Europe, to 70° and above in eastern Spain and on the southern shores of the Mediterranean. Rising to 73 during day at Jersey, and locally in the Shetlands, and exceeding 80° in many parts of Spain and Italy, and to between 100° and 106° in central Algeria.

Wind in morning light or moderate from North or North-West over the east and south of England, variable in other parts of the British Islands; North-Easterly over Scandinavia and the Baltic, strong in places, Westerly, moderate or fresh in central Europe, variable in other parts of the Continent. Very little change taking place during the day.

Barometer in morning highest, 30½ ins. at the Azores, and 30.1 ins. and upwards in a large high pressure system lying over the Arctic region; lowest, 29.5 ins. and less in a depression over the Baltic Provinces, and 29.9 ins. in several shallow systems lying over the western and southern parts of our area. Not much change during day; pressure very uniform over the central Continental countries.

Tuesday, 9th August, 1910.

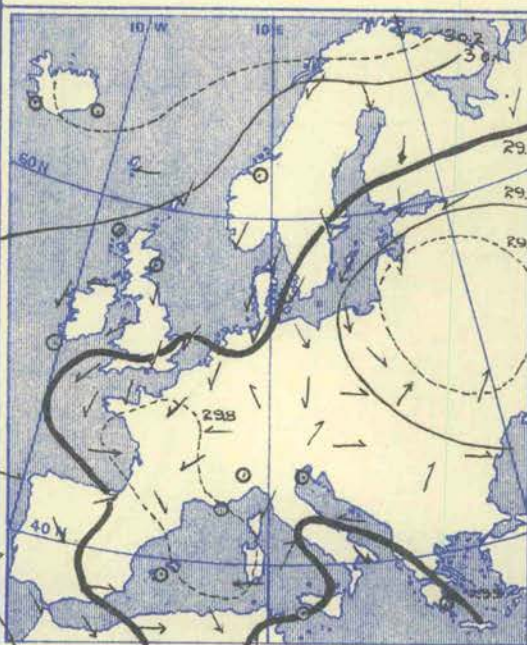
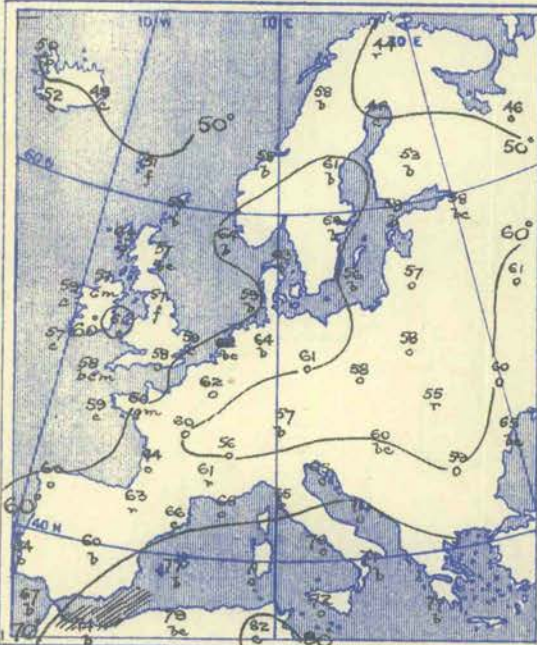
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fine and bright at most of the Scandinavian and Danish, and at some of the German and Spanish stations, cloudy or overcast in most parts of the British Islands and in other parts of the Continent, with a good deal of mist and wet fog on our own coasts, and rain at a few stations in France and Austria. Rain, mostly slight, falling during day at a few English stations, and heavy falls in France, Switzerland, and northern Italy, 0.8 in. at Florence, 1 in. at Biarritz, 1½ in. at Nantes, and 1½ in. at Zurich.

Temperature fallen in the north of Scandinavia, and also in the Spanish Peninsula, changed irregularly elsewhere. Readings at 7 a.m. ranging from below 50° in the northern parts of Iceland and Europe, and below 60° over the greater part of our Islands and central Europe, to above 70° in the Mediterranean region generally, and to 89° at Biskra (Algeria). Maxima mostly below 70° in our Islands during day, and above 80° only at a few stations in the south of Europe, but as high as 104° at Tunis.

Wind in morning Northerly or North-Easterly over the British Isles and the adjacent parts of the Continent, as well as over Scandinavia and the Baltic; light or moderate in force generally, but fresh at some north German ports, variable on the Continent as a whole. Fresh North-Westerly breeze over the Spanish Peninsula later in day, little other change.

Barometer in morning highest, about 30½ ins. in the neighbourhood of the Azores, and also over the Arctic region, lowest, 29.6 ins. and less in a depression over western and central Russia, and 29.8 ins. and less in a shallow system over France and the Gulf of Lion. Depression over Russia moving eastwards during day; no other change of importance.

Wednesday, 10th August, 1910.

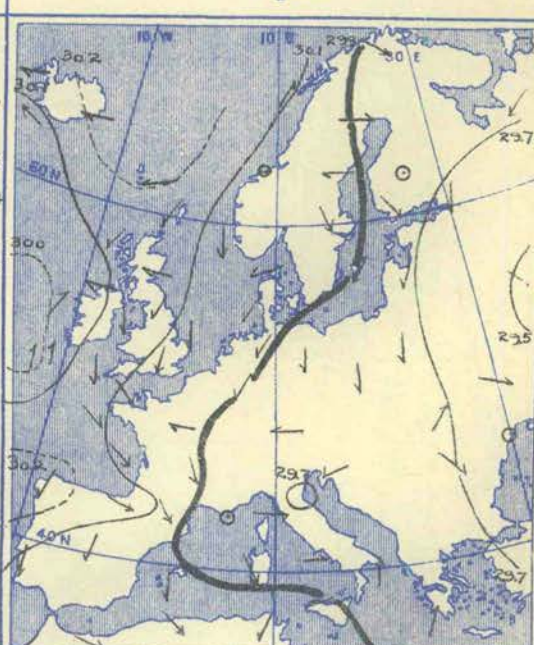
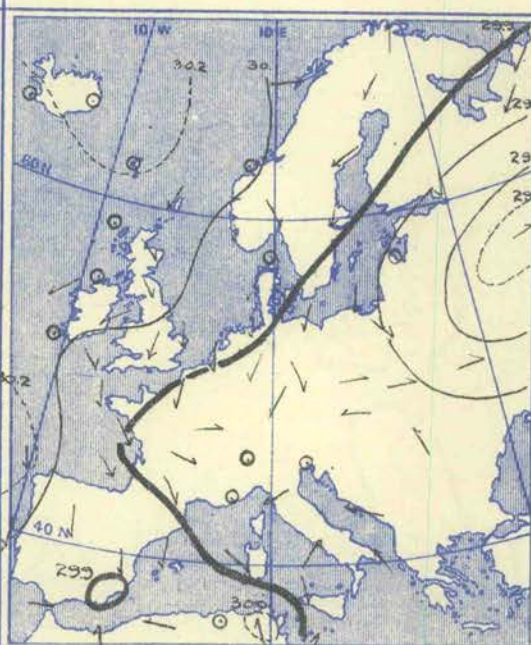
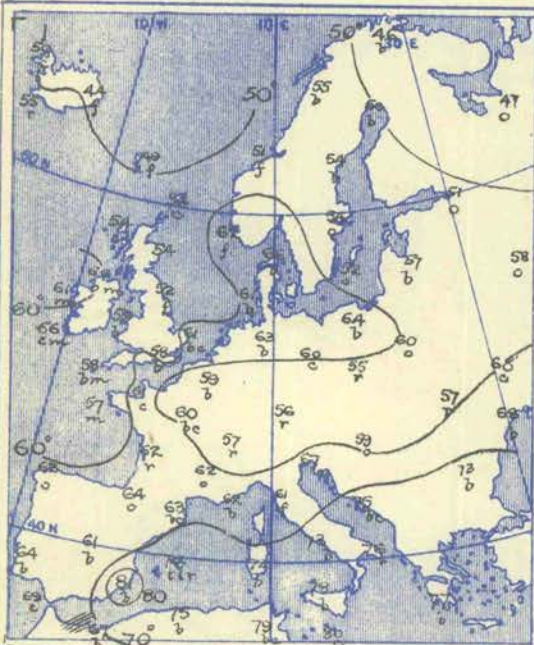
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fine over the greater part of Ireland and the south of England, as well as at some stations in the Low Countries, north Germany and Scandinavia, foggy with slight rain on our north-east coasts, cloudy or dull over our area generally, with a thunderstorm at Palma, and rain at several places on the Continent. Rain falling during day in the south-west of Ireland, and one or two small measurements elsewhere in our Islands, but larger amounts on the Continent; 0.6 in. at Zurich and Trieste, and over an inch at Biarritz and Toulouse.

Temperature fallen in Scandinavia as well as in most parts of Scotland and Ireland, changed irregularly elsewhere. Morning readings ranging from below 50° in some parts of northern Europe and Iceland, and below 60° over the greater part of our Islands and central Europe, to above 70° over the Mediterranean region, and to 80° at Malta. Rising to above 70° over a large part of England during day, and to 77° at Weymouth, and to above 80° in some parts of Spain and Italy; 102° at Laghouat (Algeria).

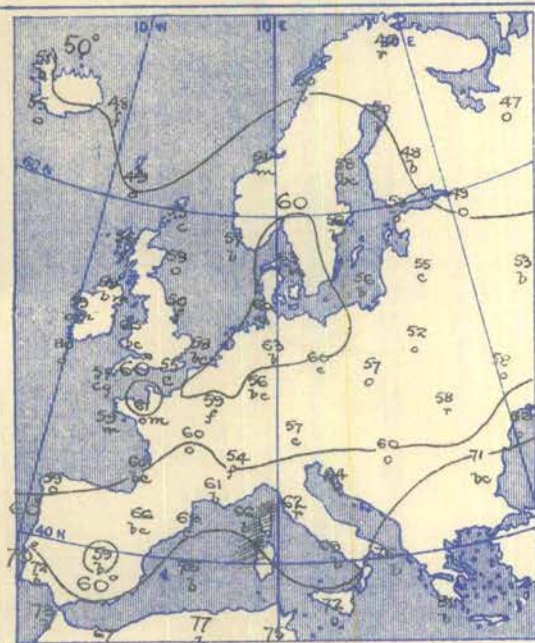
Wind in morning variable in Scotland and Ireland, but Northerly or North-Easterly over the Channel, England, Germany and Scandinavia, North-Westerly or Northerly over the Bay of Biscay and the Peninsula. Variable over Russia, Austria, and the Mediterranean. Southerly current setting in over Ireland later, not much change elsewhere.

Barometer in morning highest, about 30½ ins. in the Icelandic region, and between the Spanish Peninsula and the Azores; lowest, 29.6 ins. to 29.4 ins. and less in a depression covering the greater part of Russia, and below 29.8 ins. in a shallow area over Italy. Russian depression moving slowly north-eastward during day, that over Italy remaining stationary; fresh fall of the barometer setting in on our western coasts, and a new disturbance approaching from the Atlantic.

Thursday, 11th August, 1910.

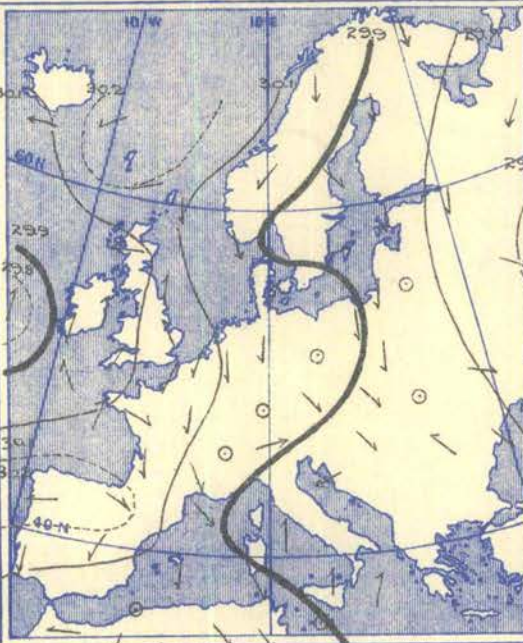
Temperature and Weather.

7 a.m.

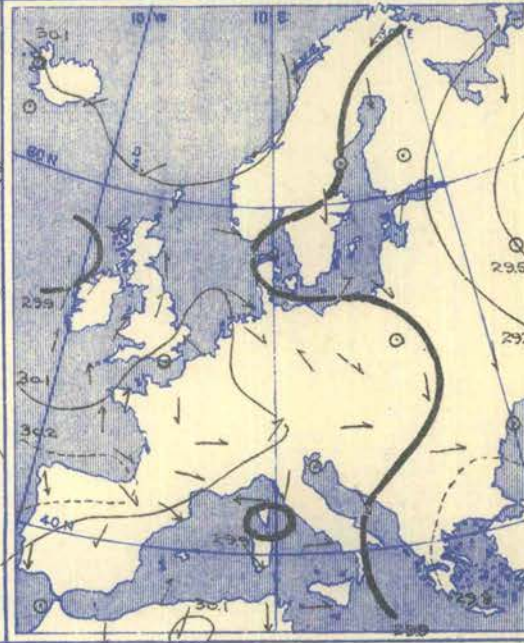


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine and bright at a few of our own western stations. In most parts of Scandinavia and Finland, and at some stations in France and southern Europe, cloudy or overcast in other parts of our area with mist or fog at many places both in our Islands and France, drizzle at Roche's Point and Nottingham and steady rain at isolated places on the Continent. Rain in most parts of our Islands and in various parts of Europe during day, largest measurements, 0.5 in. at Leith, 0.7 at Moscow, and 1.4 in. at Hermanstadt.

Temperature fallen in most of Scotland and England, changed irregularly on the Continent. Morning readings ranging from below 50° in some parts of Iceland and northern Europe, and below 60° over the British Islands and the central parts of Russia and the Continent generally to 70° and above over the southern Mediterranean. Maxima above 70° over the greater part of England, as high as 75° at Llandudno and Oxford and 76° at Manchester, and above 80° in the southern part of our area generally.

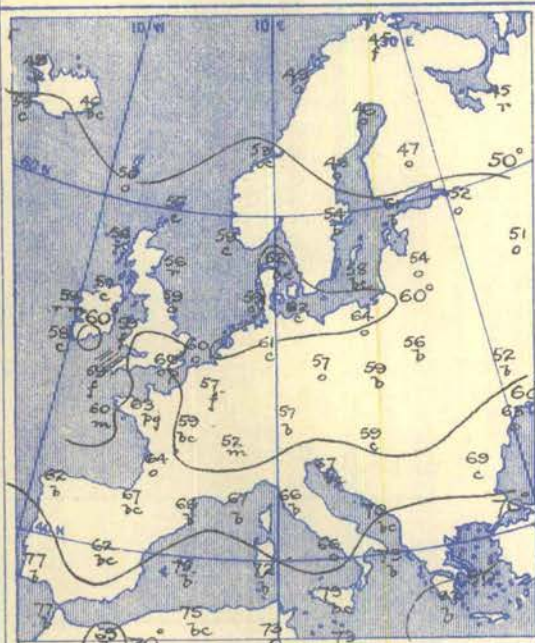
Wind in morning chiefly Southerly and on our west and south-west coasts, Northerly over the south-east of England and the greater part of France as well as over Northern Europe; variable in south-eastern Europe, but generally North-Westerly over the Mediterranean. Wind becoming Southerly or South-Easterly all over our Islands and the Channel by evening, no important change elsewhere.

Barometer in morning highest 30.2 ins. and upwards in the Icelandic region and also in a long band of high-pressure stretching from the Azores to the south-west of France, lowest 29.5 ins. and less in a depression near Moscow, and 29.9 ins. and less in a disturbance on the Atlantic to the westward of Ireland. Latter system spreading eastward during day.

Friday, 12th August, 1910.

Temperature and Weather.

7 a.m.

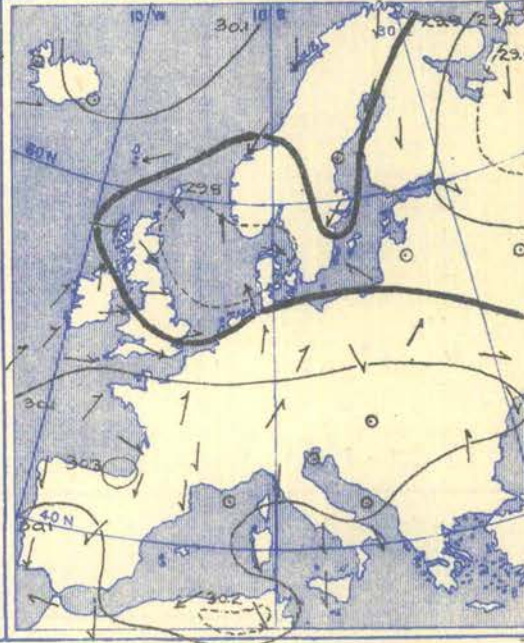


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning dull, with much mist or fog and rain in many places in the British Islands and the neighbouring parts of the Low Countries and France, fair over the Continent generally, but dull in places, and rain locally in the north of Italy and at Archangel. Rain during day in most parts of north-western Europe, but measurements generally slight; rather more than half an inch at Copenhagen and Memel.

Temperature risen in most parts of the British Islands, France and Spain, fallen in most other Continental countries. Morning readings ranging from below 50° in Iceland and northern Europe and below 60° at our own northern stations and over the central and eastern part of the Continent to above 70° over the southern part of the Mediterranean and to 83° at Athens. Maxima during day well above 70° over a large part of south-western and central England, but considerably below that value on the coast of Sussex and Kent; above 80° only in the extreme southern countries.

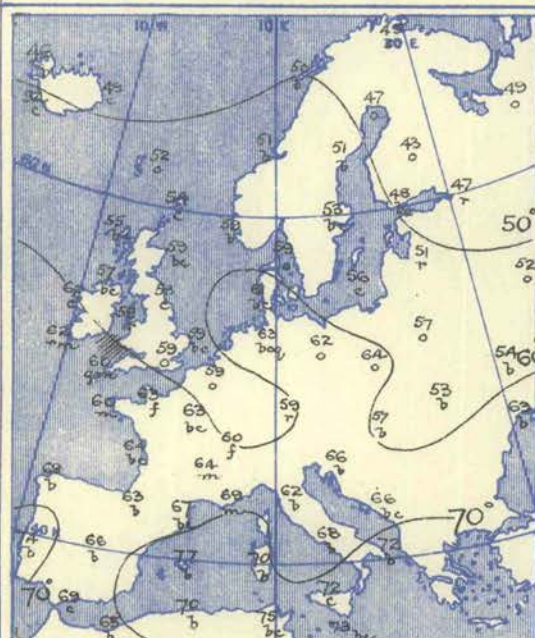
Wind in morning Southerly to South-Westerly over the British Islands, the Channel and the neighbouring parts of France and the Low Countries, mostly light or moderate, but strong in force at Pembroke; generally Northerly or North-Westerly over Scandinavia and the Baltic region; variable in most parts of the Continent. Wind veering to West or North-West during day over Great Britain, but remaining South-Westerly in Ireland; freshening somewhat from various quarters over the south Mediterranean.

Barometer in morning highest 30.2 ins. to 30.3 ins. in an anticyclone covering the Bay of Biscay, France and the north of Spain, and 30.1 ins. and upwards to the northward of Iceland; lowest 29.6 ins. and less in a depression lying over northern Russia, 29.9 ins. and less in another system covering the greater part of the British Islands, and about the same value in a shallow system over Greece. Depression over our Islands moving eastwards during day and covering the North Sea at 6.0 p.m.

Saturday, 13th August. 1910.

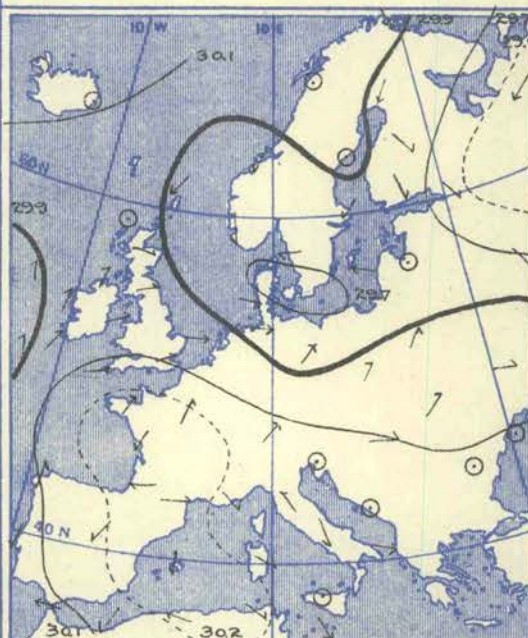
Temperature and Weather.

7 a.m.

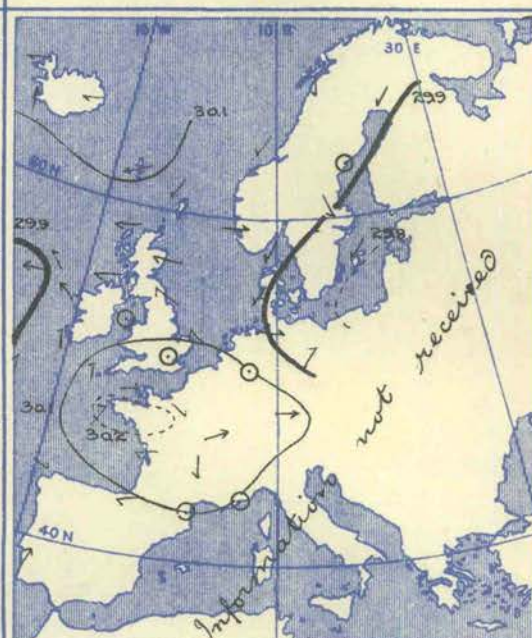


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine and bright at most of the Mediterranean stations, in central Austria and southern Russia, and at a few of the Norwegian stations, fair on our north and east coasts, but dull and rainy over the southern half of our Islands, over the Baltic region and at Munich; a good deal of mist or fog over the Channel and northern France. Remaining fair in our eastern and northern districts during day, but slight rain falling in most parts of the west and south.

Temperature fallen over the British Islands as a whole, changed irregularly on the Continent. Morning readings below 50° in the far north of our area, and below 60° over the northern and eastern parts of the Continent and in all but the extreme southern parts of our Islands, above 70° over the southern Mediterranean. Maxima exceeding 70° on our south-western coasts during day, but below that value over the British Islands as a whole, above 80° in the south-west and south of France, and above 90° in some parts of the Spanish Peninsula.

Wind in morning showing a cyclonic circulation of moderate to strong winds over Denmark and the surrounding regions. Northerly over northern Europe, generally westerly or south-westerly over our Islands and the north of France, and over the central countries, but mostly North-Westerly over the Mediterranean, Easterly gale locally at San Fernando. Wind backing to South-East in most of our northern districts during day, but remaining South-Westerly in the south and in the Channel.

Barometer highest 30.2 ins. and upwards in an anticyclone covering the greater part of France and Spain and the adjacent part of the Mediterranean, and above 30.1 ins. in the Icelandic region; lowest 29.6 ins. and less in a depression over northern Russia, 29.7 ins. and less in another over Denmark, and 29.9 ins. and less on the Atlantic to the westward of Ireland. Barometer rising during day in our northern districts, but fall setting in on the west coast of Ireland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. August 9th, 10.0 a.m. to 12.0 noon.	Brighton, 115 m.	Temperature Humidity Wind	290.8° 90% 40°, 6.7	288.0° 100% 20°, 8.9	285.5° 100% 60°, 4.0					Metres. 550	{ Sun shining through haze. Fr-Cu. at 500 m., almost calm above clouds.
2	August 9th, 12.55 p.m. to 2.26 p.m.	Petersfield, Ditcham Park, 122 m.	Temperature Humidity Wind	289.4° 86% 56°, —		286° 96% —					285° 100% —	{ Rather cloudy, sun gradually penetrating clouds. Light wind.
3	August 10th, 11.45 p.m. to 2.35 p.m.	Petersfield, Ditcham Park, 122 m.	Temperature Humidity Wind	289.4° 82% 360°, —		283° 97% —					281.3° 95% —	{ Sunshine, breezy, very little cloud.
4	August 11th, 4.26 p.m. to 5.45 p.m.	Petersfield, Ditcham Park, 122 m.	Temperature Humidity Wind	291.5° 100% 0°, 0.0		285.3° 98% —					290.5° 62% —	{ Warm bright sunshine, no clouds, moist air at times. Calm. Balloon ascent.
5	August 12th, 1.0 p.m. to 3.55 p.m.	Petersfield, Ditcham Park, 122 m.	Temperature Humidity Wind	289.4° 11.0% 270°, —		289.4° 100% —, 7	287.2° 82% —, 6				285.8° 20% —, 7	{ Cloudy sky at first, clearing later. Very rapid decrease of humidity at 4.30 p.m. during rise from 874 m. to 1,093 m.
6	August 13th, 9.30 a.m. to 11.0 a.m.	Brighton, 115 m.	Temperature Humidity Wind	288° 88% 235°, 5.4	?° ?° ?	?° ?° ?					286.5° 100% 260°, 18	{ Thick fog and rain. Kite not seen during ascent. Wind dir. by wire ascent limited owing to pull exceeding 100lbs.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4	5	6
No. of Kite	1					1
Area of Surface (sq. metres) ..	7					7
Length of Wire (metres) ..	700					700

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
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THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 33. THIRTY-THIRD WEEK, SUNDAY, AUGUST 14TH, TO SATURDAY, AUGUST 20TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—The general conditions were again unsettled, but while rain was experienced frequently and sometimes in considerable quantities in Ireland and the west and north of Britain, the east and south-east of England were dry during the greater part of the period. Thunderstorms occurred at some Irish stations and in a few English localities on the 14th, over a large area on the 15th, and at York on the 16th.

Temperature was above the average, the excess being more than 2° in many parts of England and Scotland. The highest of the maxima were recorded on the 14th or 15th in most parts of Great Britain, and on rather variable dates in Ireland. They ranged from 79° in the English Channel, and 78° in England E. to 69° in Scotland N. and Ireland N. The lowest of the minima, which were generally recorded about the middle of the week, ranged from 42° in England S.E., 44° in Scotland E., and 45° in Ireland S. to 50° in Scotland W. and England S.W., and to 56° in the English Channel. The lowest grass readings reported were 35° at Sheffield, 36° at Balmoral, and below 40° at Nottingham and some stations in Scotland.

Mean Temperature of the Sea.—On the coasts generally the water was colder than during the corresponding week of last year. The mean values for the week ranged from about 63° at Eastbourne, Margate and the Shipwash, and 62° at Newquay to 54½° at Lamlash, and to 54° at Wick.

Rainfall exceeded the normal over the Kingdom generally, the excess being large in the west and north. In the English Channel, however, the fall was rather less than the average, and in England S.E. much less. More than an inch fell at some Irish stations on the 14th, as much as 1·58 inch at Kilkenny. Similar heavy falls occurred in a few parts of Britain on the 16th and 18th, 1·21 inch at Fort William, and 1·36 inch at Arlington.

Bright Sunshine was above the average over eastern and southern England, below it elsewhere. In no district, however, was the divergence from the normal large. The percentage of the possible duration ranged from 53 in the English Channel, 52 in England S.W., and 47 in England E. and S.E. to 23 in Scotland W. and Ireland W., and to 19 in Scotland N.

Barometer and Wind.—With the barometer relatively high from the lower part of the Atlantic to central Europe, and also over Iceland, cyclonic disturbances from the upper Atlantic passed in an east-north-easterly direction across the United Kingdom to northern Europe. The first moved rather slowly, and it was not until Thursday morning that its centre reached Norway. By this time another system was affecting the winds and weather in Ireland, and as it travelled more quickly and was deeper than the preceding, it caused a strong to high wind from South-West and West in many parts of Ireland and England. By Saturday morning it had reached the Baltic, but another disturbance was already producing a fall of the barometer and increasing Southerly winds in Ireland.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 260.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ... -- --	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Heavy	Heavy	Heavy	Moderate	Heavy	Light	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate
	Sunshine ...	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Abundant	Scanty	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.
Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 11 weeks from June 5th, 1910.	Warmth ...	6 * 2	3 * 5	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
		2 * 4	3 * 4	4 * 5	4 * 3	5 * 4	5 * 4	3 * 4	5 * 4	5 * 3	4 * 2	6 * 3	3 * 2
	Sunshine ...	5 * 4	4 * 5	1 * 5	1 * 7	1 * 6	1 * 6	4 * 4	3 * 2	2 * 4	3 * 3	3 * 3	1 * 5

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
		3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

THIRTY-THIRD WEEK—August 14th to August 20th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	60	46	63.0	52.1	57.2	+ 2.4	Day-deg. 106	Day-deg. + 17	Day-deg. 0	Day-deg. 0	6	+ 1	Inches. 1.77	Inches. + 0.85	20	- 7	% 10	% - 6
Eastern																		
1. SCOTLAND, EAST	75	44	65.6	50.8	57.8	+ 1.9	111	+ 13	0	0	6	+ 2	1.23	+ 0.54	34	- 1	32	- 1
2. ENGLAND, N.E.	76	47	68.5	53.5	60.5	+ 2.5	130	+ 18	0	0	5	+ 1	0.90	+ 0.32	39	+ 2	38	+ 2
3. ENGLAND, EAST	78	47	71.4	54.4	62.4	+ 2.4	143	+ 17	0	0	3	0	0.28	- 0.27	48	+ 5	47	+ 5
4. MIDLAND COUNTIES	76	46	70.1	53.3	61.3	+ 2.2	135	+ 16	0	0	4	0	0.85	+ 0.26	43	+ 4	42	+ 4
5. ENGLAND, S.E.	75	42	69.1	55.6	62.0	+ 0.9	140	+ 6	0	0	3	0	0.20	- 0.35	48	+ 2	47	+ 2
Western																		
6. SCOTLAND, WEST	72	50	64.1	54.4	59.0	+ 2.3	119	+ 16	0	0	7	+ 2	2.00	+ 0.97	25	- 11	23	- 11
7. ENGLAND, N.W.	75	49	66.6	54.9	60.4	+ 2.1	129	+ 14	0	0	6	+ 2	1.44	+ 0.64	35	- 1	34	- 1
8. ENGLAND, S.W.	73	50	66.6	55.9	61.0	+ 1.7	133	+ 11	0	0	5	+ 1	1.02	+ 0.29	53	+ 10	52	+ 9
9. IRELAND, NORTH	69	47	64.4	53.4	58.6	+ 1.5	116	+ 11	0	0	6	+ 1	1.73	+ 0.82	23	- 8	23	- 7
10. IRELAND, SOUTH	74	45	65.7	54.5	59.8	+ 1.4	125	+ 10	0	0	6	+ 2	1.76	+ 0.79	33	- 4	32	- 4
11. ENGLISH CHANNEL	79	56	68.9	58.3	63.3	+ 1.6	149	+ 13	0	0	4	0	0.56	- 0.04	53	- 2	53	- 2
THE SEASON (Summer).—Aggregates, &c., for the Period of 11 Weeks, June 5th to August 20th, 1910.																		
0. SCOTLAND, NORTH	82	34	*	*	*	*	991	+ 54	0	- 2	41	- 6	7.45	- 1.01	349	+ 10	27	+ 1
Eastern																		
1. SCOTLAND, EAST	80	30	*	*	*	*	1006	- 48	0	- 1	42	+ 2	7.04	+ 0.19	391	- 28	30	- 2
2. ENGLAND, N.E.	81	37	*	*	*	*	1182	- 4	0	0	37	+ 2	5.22	- 0.50	395	- 69	32	- 6
3. ENGLAND, EAST	83	39	*	*	*	*	1298	- 34	0	0	39	+ 6	5.75	+ 0.26	407	- 106	33	- 9
4. MIDLAND COUNTIES	83	40	*	*	*	*	1263	- 32	0	0	37	+ 3	6.54	+ 0.78	398	- 63	32	- 5
5. ENGLAND, S.E.	81	39	*	*	*	*	1319	- 30	0	0	37	+ 6	6.13	+ 0.92	419	- 110	35	- 9
Western																		
6. SCOTLAND, WEST	81	37	*	*	*	*	1166	+ 49	0	0	39	- 3	9.44	+ 0.64	468	+ 24	37	+ 2
7. ENGLAND, N.W.	81	38	*	*	*	*	1223	- 4	0	0	38	0	8.11	+ 0.97	474	+ 14	38	+ 1
8. ENGLAND, S.W.	81	34	*	*	*	*	1227	- 68	0	0	40	+ 3	8.80	+ 1.98	444	- 58	37	- 5
9. IRELAND, NORTH	79	37	*	*	*	*	1132	+ 3	0	0	47	0	10.18	+ 2.17	424	+ 51	34	+ 4
10. IRELAND, SOUTH	79	41	*	*	*	*	1240	- 9	0	0	49	+ 9	9.98	+ 2.19	427	+ 7	35	+ 1
11. ENGLISH CHANNEL	79	47	*	*	*	*	1336	- 64	0	0	40	+ 3	6.38	+ 0.93	500	- 117	42	- 10
THE YEAR.—Aggregates, &c., for the Period of 33 Weeks, January 2nd to August 20th, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	1444	+ 59	595	+ 38	153	+ 2	32.06	+ 2.76	889	+ 56	29	+ 2
Eastern																		
1. SCOTLAND, EAST	80	- 10	*	*	*	*	1518	- 67	636	+ 16	133	+ 9	19.62	+ 1.51	987	0	32	0
2. ENGLAND, N.E.	81	6	*	*	*	*	1820	+ 82	454	- 21	124	+ 12	14.71	+ 0.51	994	- 72	33	- 2
3. ENGLAND, EAST	83	17	*	*	*	*	2064	+ 41	393	- 128	125	+ 17	16.06	+ 2.25	1106	- 42	37	- 1
4. MIDLAND COUNTIES	83	10	*	*	*	*	2018	+ 4	474	- 59	126	+ 18	16.08	+ 1.21	1022	- 6	33	0
5. ENGLAND, S.E.	81	13	*	*	*	*	2120	- 46	294	- 87	127	+ 25	17.88	+ 3.06	1122	- 38	37	- 1
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	1784	+ 75	432	+ 7	141	+ 10	28.91	+ 2.29	1042	+ 26	34	+ 1
7. ENGLAND, N.W.	81	7	*	*	*	*	1883	+ 32	338	- 48	142	+ 23	25.64	+ 4.21	1102	+ 71	36	+ 2
8. ENGLAND, S.W.	81	8	*	*	*	*	1999	- 61	242	- 59	146	+ 19	24.68	+ 3.78	1139	0	28	0
9. IRELAND, NORTH	79	7	*	*	*	*	1785	- 4	351	+ 6	155	+ 15	26.89	+ 4.92	963	+ 29	32	+ 1
10. IRELAND, SOUTH	79	18	*	*	*	*	2058	- 10	253	- 1	160	+ 34	23.47	+ 5.16	1022	- 29	34	- 1
11. ENGLISH CHANNEL	79	28	*	*	*	*	2260	- 50	54	- 55	131	+ 10	20.79	+ 3.42	1271	- 109	42	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature.		In Degrees Fahrenheit.					Rainfall.		Bright Sunshine.					NAMES OF STATIONS.			
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.		Difference from Average.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.											Above 42°	Below 42°
0. SCOTLAND, N.	a, Islands.	p Baltasound	62	14th	49	58.6	51.2	54.7	89	0	5	0.99	—	20.5	—	19	—	Baltasound.		
		a Sumburgh Head	61	14th, 15th	50	59.4	51.3	55.1	92	0	6	2.14	+ 1.47	16.1	-11.2	15	-10	Deerness.		
		a Stornoway	63	14th, 16th	49	61.3	53.1	57.0	105	0	6	1.05	+ 0.11	15.9	-14.4	15	-13	Stornoway.		
		a Castlebay, Barra Isd.	62	14th	51	59.4	51.9	57.0	105	0	6	1.66	—	19.3	—	18	—	Castlebay.		
		a Wick	64	18th	48	61.3	50.4	55.5	95	0	6	0.65	+ 0.00	—	—	—	—	Strathpeffer.		
		p Strathpeffer	68	14th	48	65.9	51.9	58.5	116	0	7	1.76	+ 1.18	28.4	+ 0.8	27	+ 1	Strathpeffer.		
1. SCOTLAND, E.	b, Main-land.	p Glencairn	69	14th	50	62.7	51.9	57.0	105	0	7	2.23	+ 0.61	—	—	—	—	Fort Augustus.		
		p Fort Augustus	68	14th	50	65.3	53.0	58.8	118	0	7	1.34	+ 0.54	21.2	+ 0.8	20	+ 1	Fort Augustus.		
		p Fort William	69	14th, 19th	52	64.8	53.4	58.8	118	0	6	3.19	+ 1.79	—	—	—	—	Fort William.		
		p Gordon Castle	71	14th	44	66.3	49.0	57.1	106	0	6	1.06	+ 0.28	38.2	—	—	—	Gordon Castle.		
		a Nairn	69	16th	48	66.7	50.6	58.2	113	0	6	0.86	+ 0.31	29.8	—	—	—	Nairn.		
		a Aberdeen	69	18th	49	64.9	53.8	58.4	115	0	6	1.20	+ 0.56	35.5	+ 0.9	34	+ 1	Aberdeen.		
2. ENGLAND, N.E.	a, North.	a Balmoral	75	14th	44	67.9	48.3	57.5	109	0	6	0.98	+ 0.15	30.8	—	—	—	Crathes S.		
		p Crieff	69	19th	48	66.1	51.9	58.6	116	0	6	2.55	+ 1.61	33.9	—	—	—	Balruidery.		
		a Leith	70	17th	52	65.7	54.6	59.8	125	0	7	0.94	+ 0.29	—	—	—	—	Edinburgh.		
		a West Linton	69	14th	45	62.7	49.4	55.7	106	0	6	1.49	—	19.7	—	—	—	West Linton.		
		p Marchmont	67	15th	47	64.7	50.0	56.9	104	0	7	1.19	+ 0.42	37.9	+ 4.1	36	+ 4	Marchmont.		
		a Alnwick Castle	71	17th	47	67.6	52.4	59.5	123	0	6	1.15	+ 0.47	46.2	—	—	—	Cockle Park.		
3. ENGLAND, E.	b, South.	a Shields	70	17th	50	66.4	52.0	58.8	114	0	6	0.72	+ 0.11	51.2	+ 1.2	30	+ 1	Newcastle.		
		p Durham	70	14th	47	66.3	52.7	59.1	120	0	3	0.68	+ 0.12	40.3	+ 6.4	39	+ 6	Durham.		
		p Rounton	73	14th	48	67.5	51.9	59.2	120	0	5	0.59	+ 0.04	—	—	—	—	Rounton.		
		p Scarborough	72	14, 15, 16, 17	52	70.4	54.4	61.9	139	0	5	1.48	+ 0.85	37.8	—	—	—	Scarborough.		
		p York	75	14th	47	69.0	52.6	60.3	128	0	5	0.84	+ 0.26	32.9	- 1.6	32	- 2	York.		
		a Spurn Head	71	17th	54	67.9	56.6	61.9	139	0	4	0.85	+ 0.40	—	—	—	—	Skegness.		
4. MIDLAND COUNTIES.	a, North.	a Lincoln	76	14th	50	71.2	54.5	62.4	143	0	4	1.00	+ 0.49	39.7	—	—	—	Rauby.		
		a Fulbeck	75	14th	51	69.8	54.7	61.8	139	0	5	0.77	+ 0.20	37.7	—	—	—	Lowestoft.		
		p Cromer	73	18th	50	70.7	53.5	61.6	137	0	5	0.31	—	44.4	—	—	—	Cromer.		
		p Hillington	72	14, 15, 16th	47	70.7	52.2	60.9	132	0	4	0.35	+ 0.20	41.9	+ 1.0	41	+ 1	Hillington.		
		a Yarmouth	74	15th	52	71.0	54.7	62.4	143	0	2	0.12	+ 0.42	52.7	—	—	—	Yarmouth.		
		a Norwich	73	15th	51	71.2	54.0	62.1	141	0	3	0.17	—	—	—	—	—	Geldeston.		
5. ENGLAND, S.E.	b, South.	p Geldeston	75	15th	49	72.4	53.9	62.6	144	0	1	0.09	+ 0.42	40.3	+ 5.5	48	+ 5	Geldeston.		
		p Cambridge	78	20th	49	73.5	54.5	63.4	150	0	3	0.16	+ 0.37	49.0	+ 6.0	48	+ 6	Cambridge.		
		a Felstowe	74	15th	52	70.6	56.7	63.2	148	0	1	0.44	—	52.9	—	—	—	Felstowe.		
		a Clacton-on-Sea	75	15th	52	71.0	56.3	63.2	148	0	2	0.16	—	46.4	—	—	—	Clacton.		
		a Rothamsted	75	16th	49	69.9	53.9	61.4	136	0	4	1.01	+ 0.44	43.7	- 0.1	43	0	Rothamsted.		
		a Shoeburyness	74	15th	53	72.0	57.1	64.1	155	0	1	0.06	+ 0.33	48.0	—	—	—	Southend.		
6. LONDON.		p Tottenham	75	17th	53	72.4	57.0	64.2	155	0	3	0.15	—	52.6	—	—	—	Tottenham.		
		a Harrogate	71	14th	49	66.0	52.6	58.9	118	0	4	0.98	+ 0.34	32.3	—	—	—	Harrogate.		
		a Bawtry	76	16th	49	73.3	52.8	62.3	146	0	5	1.23	+ 0.69	36.8	+ 3.2	36	+ 3	Worksop.		
		p Buxton	68	14th	49	65.3	53.2	58.9	118	0	5	1.68	+ 0.67	43.4	—	—	—	Buxton.		
		a Nottingham	74	14th	49	70.6	53.7	61.6	137	0	4	0.77	+ 0.22	36.6	—	—	—	Nottingham.		
		p Birmingham, Edgbn	71	14th, 17th	51	68.6	53.8	60.8	132	0	5	0.86	+ 0.24	42.1	—	—	—	Birmingham.		
7. ENGLAND, S.E.	a, East.	a Raunds	74	15th, 16th	48	72.0	54.0	62.5	144	0	2	0.35	—	—	—	—	—	Oxford.		
		a Oxford	74	14th	52	70.4	55.6	62.6	144	0	2	0.20	+ 0.33	46.9	+ 4.8	46	+ 5	Sheffield.		
		a Chislehurst	71	19th	47	68.2	53.3	58.7	117	0	5	0.82	+ 0.05	40.6	—	—	—	Chislehurst.		
		p Shrewsbury	73	14th	51	69.7	53.3	61.0	133	0	5	0.90	—	—	—	—	—	Shrewsbury.		
		a Hereford	72	14th, 17th	47	69.7	53.0	60.9	132	0	5	1.39	+ 0.84	—	—	—	—	Hereford.		
		a Cirencester	76	15th	46	73.4	52.2	62.2	141	0	5	0.86	+ 0.20	47.2	+ 5.8	46	+ 6	Cirencester.		
8. ENGLAND, S.W.	b, West.	a Bath	73	14th	50	69.7	54.7	61.8	139	0	2	0.99	+ 0.36	53.1	—	—	—	Bath.		
		p Kew	75	14th	53	70.9	55.9	63.0	147	0	3	0.13	+ 0.39	46.4	+ 3.4	46	+ 3	Ramsgate.		
		a Marlborough	72	14th	42	68.7	52.8	60.3	128	0	4	0.47	+ 0.12	45.2	+ 4.9	45	+ 5	Kew.		
		a Margate	73	19th	53	71.2	56.2	63.3	149	0	1	0.10	+ 0.35	50.6	+ 7.1	50	+ 7	Marlborough.		
		a Wisley, Surrey	75	14th	51	71.7	55.4	63.1	148	0	2	0.24	—	48.0	—	—	—	Margate.		
		a Swanton	74	14th	44	69.3	53.6	61.0	133	0	3	0.29	+ 0.32	49.5	—	—	—	Wisley.		
9. IRELAND, N.		a Tunbridge Wells	75	14th	50	70.4	53.9	61.7	138	0	2	0.21	+ 0.29	52.6	+ 8.2	52	+ 8	Worthing.		
		p Dungeness	68	14th	54	66.6	57.3	61.7	138	0	2	0.14	+ 0.31	53.1	—	—	—	Tunbridge Wells.		
		p Hastings	70	14th	54	67.5	56.4	61.6	137	0	3	0.16	+ 0.38	50.1	+ 1.7	50	+ 2	Littlestone.		
		p Southampton	73	14th	49	68.9	56.5	62.3	142	0	4	0.19	+ 0.40	44.4	- 2.8	44	- 3	Hastings.		
		a Ventnor	67	15th, 20th	55	65.9	58.3	61.9	139	0	5	0.20	+ 0.27	37.2	- 9.4	37	- 9	Southampton.		
		a Ventnor	67	15th, 20th	55	65.9	58.3	61.9	139	0	5	0.20	+ 0.27	37.2	- 9.4	37	- 9	Ventnor.		
10. IRELAND, S.		a Ventnor	67	15th, 20th	55	65.9	58.3	61.9	139	0	5	0.20	+ 0.27	37.2	- 9.4	37	- 9	Eastbourne.		
		a Westminster	73	14, 15, 19th	52	70.9	55.1	62.5	144	0	3	0.16	+ 0.36	46.7	+ 8.3	46	+ 8	Westminster.		
		a Greenwich	76	16th	51	73.7	54.6	63.6	151	0	4	0.19	+ 0.30	52.7	+ 4.4	52	+ 4	Greenwich.		
		a Poltalloch	68	15th	53	63.8	57.3	60.1	127	0	7	2.53	+ 1.46	—	—	—	—	Glasgow.		
		p Glasgow	67	14th	51	63.5	54.2	58.6	116	0	7	1.86	+ 0.97	18.0	-12.0	17	-12	Kilmarnock.		
		p Rothsay	69	14th	51	64.9	54.3	59.3	121	0	7	3.06	+ 1.96	—	—	—	—	Dumfries.		
11. ENGLISH CHANNEL.	b, ISLE OF MAN.	a Kilmarnock	71	14th	50	64.9	54.7	59.0	119	0	6	1.97	—	19.4	—	19	—	Dumfries.		
		a Colmonell	68	14th	51	64.0	54.2	58.8	118	0	6	1.49	+ 0.55	—	—	—	—	Douglas.		
		p Dumfries	72	14th	50	64.6	54.0	59.0	114	0	5	1.80	+ 0.92	27.6	—	—	—	Hoylake.		
		p Cally, Gatehouse	69	14th	50	65.5	53.8	59.3	121	0	7	1.								

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

‡ Only one observation each day.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine. All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.						
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees).		Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.	
						Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°								
District Values.—										Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%.	%.	
No. 26, p. 210	3. England, E.	—	—	44	—	—	—	—	—	98	—	—	—	—	—	—	—	—	—
No. 26, p. 210	S. England, S.W.	—	—	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 29, p. 234	S. England, S.W.	—	—	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 30, p. 242	S. England, E.	—	—	—	—	—	—	—	—	—	—	—	0·46	-0·11	—	—	—	—	—
Station Values.— Additions.																			
No. 27, p. 219	Cally	71	4th	45	4, 5, 9	65·9	46·4	55·5	-1·6	95	0	3	1·27	+0·51	—	—	—	—	—
No. 28, p. 227	Cheadle	75	14th	44	10, 12	66·7	48·1	56·8	-0·9	104	0	0	0·00	-0·61	—	—	—	—	—
No. 28, p. 227	Hereford	75	13, 14	46	13th	68·7	49·8	58·6	-1·5	116	0	1	0·04	-0·46	—	—	—	—	—
No. 28, p. 227	Newquay	—	—	—	—	—	—	—	—	—	—	—	—	—	44·2	-4·1	40	-4	
No. 29, p. 235	Bognor	—	—	—	—	—	—	—	—	—	—	—	—	—	24·0	—	22	—	
No. 30, p. 243	Gordon Castle	69	28, 29	44	27th	62·3	47·3	54·3	-2·4	86	0	7	1·63	+0·83	18·8	—	16	—	
No. 30, p. 243	Norwich	71	28th	49	24th	66·6	53·1	59·5	-1·1	123	0	3	0·89	—	—	—	—	—	
No. 30, p. 243	Rhyl	—	—	—	—	—	—	—	—	—	—	—	—	—	36·7	—	33	—	
No. 30, p. 243	Tenby	—	—	—	—	—	—	—	—	—	—	—	—	—	34·0	-12·0	31	-11	
Station Values.— Corrections.																			
No. 26, p. 211	Hillington	—	—	44	—	—	48·9	55·3	-3·1	93	—	—	—	—	—	—	—	—	—
No. 26, p. 211	Raunds	—	—	—	—	—	—	—	—	—	—	—	0·69	—	—	—	—	—	—
No. 26, p. 211	Cheadle	—	—	—	—	—	46·1	52·6	-4·0	74	—	—	—	—	—	—	—	—	—
No. 26, p. 211	Stonyhurst	—	—	—	—	57·7	—	52·7	-4·9	75	—	—	—	—	—	—	—	—	—
No. 26, p. 211	Aberystwyth	—	—	—	—	—	—	—	—	—	—	—	—	—	18·4	—	16	—	
No. 26, p. 211	Shaftesbury	—	—	44	—	—	46·7	52·7	-5·0	75	—	—	—	—	—	—	—	—	—
No. 27, p. 219	Hereford	—	—	45	4th	—	50·6	57·3	-2·1	107	—	—	—	—	—	—	—	—	—
No. 27, p. 219	Aberystwyth	—	—	—	—	—	—	—	—	—	—	—	—	—	39·0	—	34	—	—
No. 27, p. 219	Shaftesbury	—	—	45	—	—	49·0	55·3	-3·1	93	—	—	—	—	—	—	—	—	—
No. 27, p. 219	Cahir	—	—	—	—	65·6	—	57·6	-0·8	109	—	—	—	—	—	—	—	—	—
No. 28, p. 227	Ventnor	—	—	—	—	64·7	53·5	58·7	-2·7	117	—	—	—	—	—	—	—	—	—
No. 28, p. 227	Aberystwyth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 28, p. 227	Pembroke	—	—	—	—	—	—	—	—	—	—	—	—	—	69·5	—	62	—	—
No. 28, p. 227	Shaftesbury	—	—	47	—	—	51·5	58·5	-0·8	116	—	—	—	—	63·0	+14·6	56	+13	—
No. 29, p. 235	Hereford	71	—	—	—	66·4	—	59·5	-0·8	123	—	—	—	—	—	—	—	—	—
No. 29, p. 235	Dungeness	—	—	—	—	64·7	—	60·2	-0·9	127	—	—	—	—	—	—	—	—	—
No. 29, p. 235	Ventnor	—	—	—	—	64·2	—	58·9	-3·0	118	—	—	—	—	—	—	—	—	—
No. 29, p. 235	Llandudno	—	18th	—	—	63·9	—	58·2	-1·5	113	—	2	0·82	+0·29	—	—	—	—	—
No. 29, p. 235	Shaftesbury	—	—	46	—	—	50·7	56·0	-3·7	98	—	—	—	—	—	—	—	—	—
No. 29, p. 235	Plymouth	—	—	51	19th	—	55·7	59·7	-1·2	124	—	—	—	—	—	—	—	—	—
No. 29, p. 235	Donaghadee	—	—	—	—	66·2	—	56·2	-1·3	99	—	—	—	—	—	—	—	—	—
No. 30, p. 243	Hereford	—	—	—	—	66·0	—	58·4	-2·0	115	—	—	—	—	—	—	—	—	—
No. 30, p. 243	Stonyhurst	—	—	—	—	—	—	—	—	—	—	—	0·87	-0·06	—	—	—	—	—
No. 30, p. 243	Shaftesbury	—	—	48	—	—	49·9	55·3	-4·5	93	—	—	—	—	—	—	—	—	—
No. 30, p. 243	Clifton	—	—	—	—	—	—	—	—	—	—	—	—	—	27·2	—	25	—	—
No. 30, p. 243	Plymouth	—	—	—	—	—	—	—	—	—	—	—	1·66	+1·00	—	—	—	—	—
Station Values.— Additions.																			
No. 28, p. 228	Hereford	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 29, p. 236	Portsmouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61·9	—	58·9	—
No. 30, p. 244	Norwich	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 30, p. 244	Lowestoft	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61·3	—	58·5	—
Station Values.— Corrections.																			
No. 30, p. 244	Portsmouth	—	—	—	—	—	—	—	—	—	—	—	—	—	—	61·3	—	59·1	—

Sunday, 14th August, 1910.

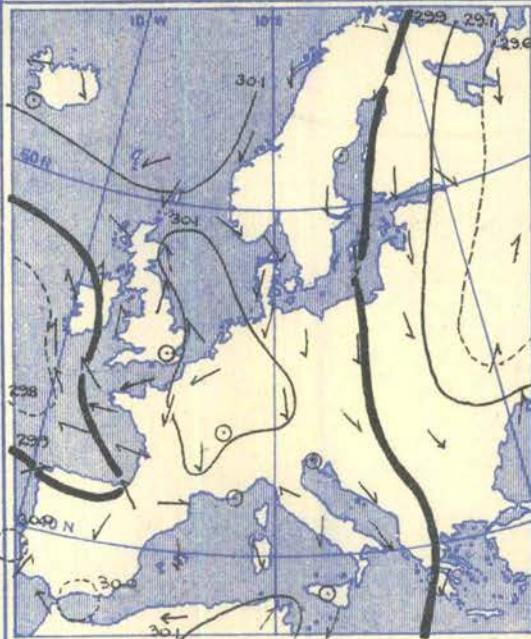
Temperature and Weather.

7 a.m.

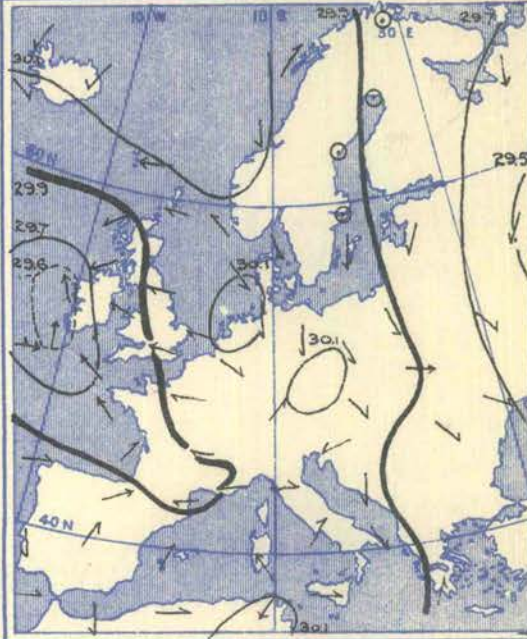


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine and bright over the greater part of France and southern Europe generally, as well as at some of the Scandinavian stations, fair in the Low Countries and North Germany, cloudy or dull with a good deal of mist or fog over the British Islands, and dull with rain in many places in Russia and central Europe. Rain falling subsequently except on our extreme north-east and south-east coasts, and thunder and lightning occurring in many parts of Ireland and England; 1.6 in. of rain at Kilkenny, 1 in. at Birr Castle, and 2 in. at Roche's Point and Holyhead, small amounts at some Russian stations and at isolated stations elsewhere.

Temperature risen somewhat in most parts of our Islands and western France, as well as at most of the Italian stations, changed irregularly elsewhere. Morning readings ranging from below 50° in northern Russia, to above 60° over southern England and central Ireland, to above 70° over the southern part of our area. Maxima during day 74° in central England and 75° at several stations in Wales, and as high as 93° at Rochefort, Biarritz and Madrid.

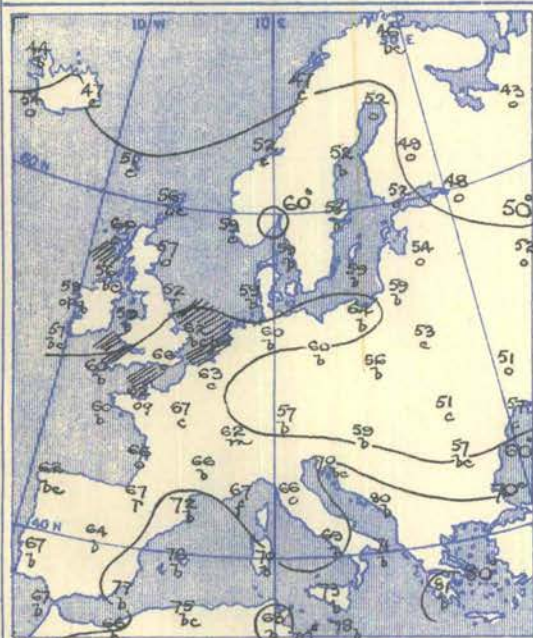
Wind in morning Northerly in Scandinavia and Germany, and Westerly in Austria; strong in force in some places, with a gale at Wisby; variable over southern and eastern Europe, but Southerly or South-Easterly over the British Islands and west of France, generally light or moderate in force. Wind decreasing in force over northern Europe, but increasing to a fresh breeze at some of our east coast stations.

Barometer in morning highest, 30.1 ins. and upwards over the Icelandic region and also over the North Sea and central Europe; lowest, 29.6 ins. and less over central Russia, and 29.8 ins. and less in a depression off our south-west coasts. Depression over Russia moving eastwards during day, and that on the Atlantic approaching closer to the Irish coasts, where the barometer fell briskly.

Monday, 15th August, 1910.

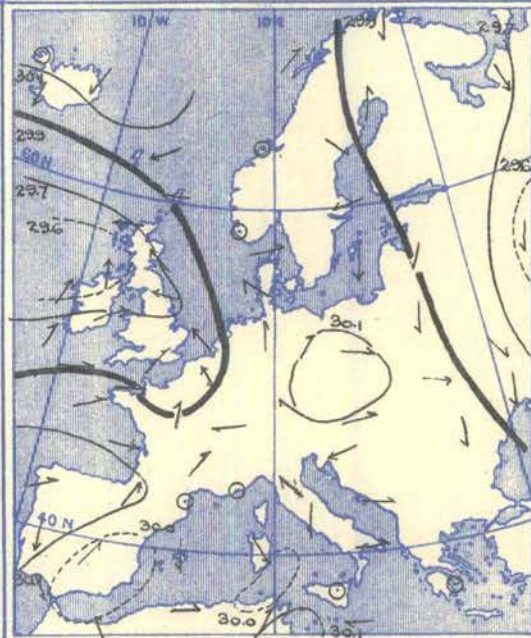
Temperature and Weather.

7 a.m.

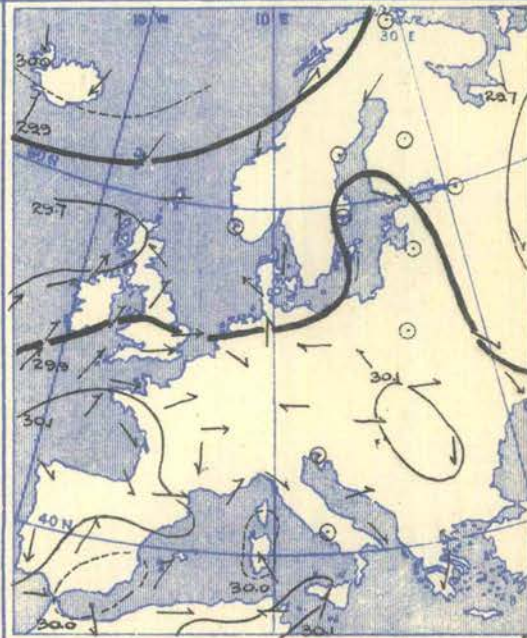


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine at some of our western stations, but dull in most parts of Scotland and England and rainy on the east coast, showery at Blackhead Point; dull in Russia, but fine and bright over the Mediterranean, central, and many parts of northern Europe; dull in the south-west of France, with rain at Biarritz and also at Bilbao. Improving subsequently over England, and day generally very fine.

Temperature fallen over Ireland, Wales, and central England, risen in the north of Scotland and south of England, changed irregularly on the Continent as a whole, but fallen over Austria and southern Russia. Morning readings below 50° in the north of Europe, below 60° over the central and eastern countries as well as over our western and northern districts, but above 60° over a large part of England, and as high as 66° in London; above 70° in the south of our area. Rising to between 75° and 77° on our south-east coasts during day, but not reaching 60° at some northern stations.

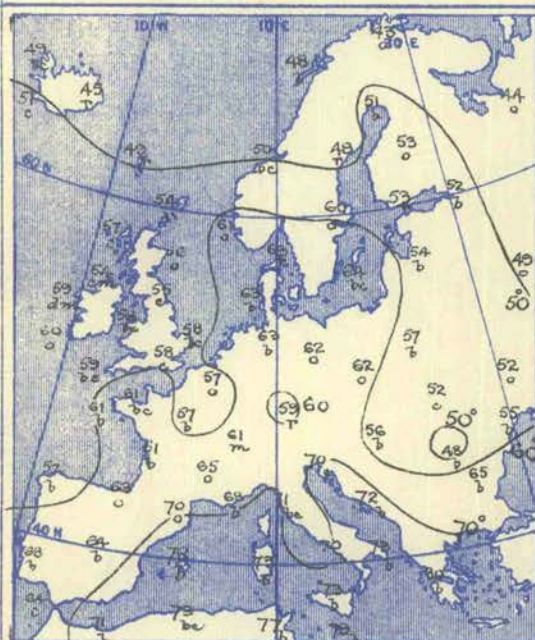
Wind at 7 a.m. South-Easterly over Scotland and the east coast of England, fresh or strong in force in places, but generally Southerly to Westerly in other parts of our Islands and France, generally moderate or fresh, but a high wind at Portland Bill; chiefly Northerly or North-Westerly over northern and eastern Europe, and variable over the southern and central countries. Wind veering to West in the east of England during day, and to South in the Hebrides. Becoming calm at nearly all the Swedish and Baltic stations.

Barometer in morning highest, 30.1 ins. and upwards to the northward of Iceland and also in an anticyclone over central Europe; lowest, 29.6 ins. to 29.4 ins. in a depression off the west of Scotland, below 29.6 ins. also in a depression over eastern Russia. Latter system and also European anticyclone moving eastward during day, but barometer rising in our Islands, and Atlantic disturbance apparently receding.

Tuesday, 16th August, 1910.

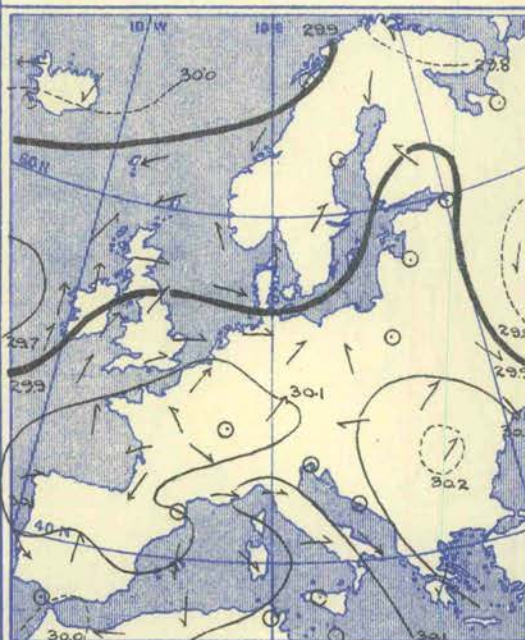
Temperature and Weather.

7 a.m.

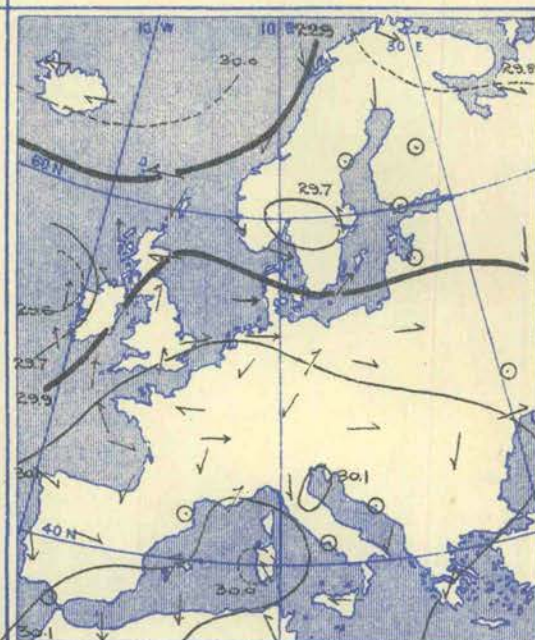


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine over our area as a whole, but cloudy or dull in places, with rain at several stations in northern Europe and the Icelandic region, in Shetland, and at Nairn and Blackod Point, and locally at Pembroke. Rain during day in all parts of the British Islands, excepting the south-east quarter of England; largest amounts, 0.5 in. at Castlebay, and 0.8 in. at Blackod Point, smaller measurements in Sweden, Russia and Switzerland, but heavy local fall, 1.1 in., at Vienna.

Temperature fallen at most British and French stations, changed irregularly elsewhere. Morning readings ranging from below 50° in Iceland and northern Europe generally, and below 60° over our Islands and eastern and central Europe, to above 70° at most of the Italian and Mediterranean stations. Maxima during day a little above 70° in central and eastern England, much lower in our other districts, between 80° and 90° over southern Europe generally, and 95° at Madrid.

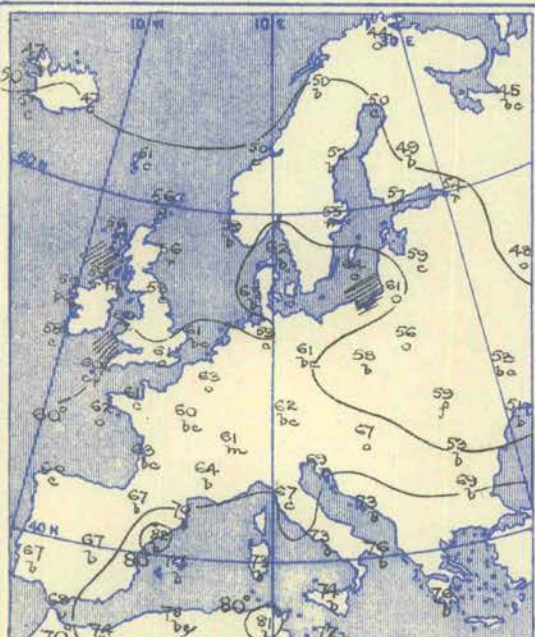
Wind in morning Southerly or South-Westerly over the British Islands and the neighbouring Continental countries, generally light or moderate in force; very variable over Europe as a whole, and mostly very light. Increasing to a fresh or strong breeze during day on our western coasts. Little change on the Continent.

Barometer in morning highest, above 30.2 ins. in Transylvania, 30.1 ins. and upwards over France, the Bay of Biscay, and northern Spain, and also over Italy and Tunis; 30.0 ins. and upwards to the northward of Iceland. Lowest, about 29.7 ins. over the Skager Rack, and below 29.8 ins. off the west of Ireland. Barometer falling decidedly in Ireland during day as the Atlantic disturbance advanced, depression over Skager Rack moving north-eastwards to southern Sweden.

Wednesday, 17th August, 1910.

Temperature and Weather.

7 a.m.

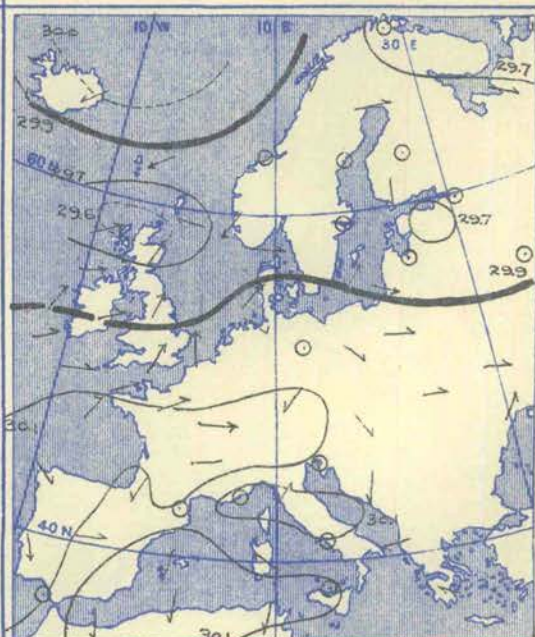


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair in the south-east of England, but dull in all other parts of our Islands, with rain at many of the Scotch, Irish, and Channel stations; dull and rainy also over the Baltic and Gulf of Finland; fair or fine over the Continent as a whole, but with some mist or fog in places. Showers, mostly slight, during day in most parts of the British Islands, and rather heavy rain in the north of Scotland; 0.4 in. at Sornoway, and 1.2 in. at Sumburgh Head; 0.8 in. at Skudesnaes, and 0.7 in. at Hango.

Temperature fallen at many places in Finland and the south of Scandinavia, and at some of the German stations, risen in most other countries. Morning readings ranging from below 50° over Iceland and the far north and east of Europe, and below 60° excepting over the southern half of our Islands and central Europe, to above 70° in the south of our area generally. Maxima during day a little above 70° over our south-western, central, and eastern districts, below 80° in the western and central and northern countries of Europe, but between 80° and 90° in the south generally.

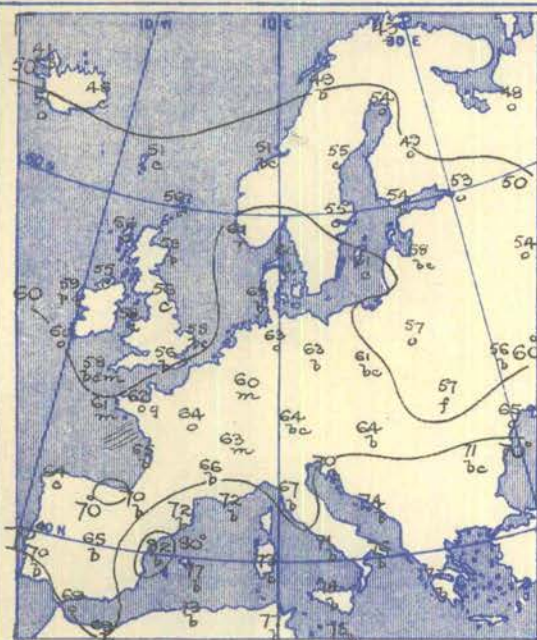
Wind in morning South-Easterly in the Icelandic region and the extreme north of Scotland, Southerly to South-Westerly over the British Islands generally, the Channel, and adjacent Continental countries, light to fresh in force generally, strong at Malin Head and Portland. Moderate to strong from the North-Westward or Westward over south Scandinavia and the Baltic region; very variable in other parts of the Continent. Wind becoming very light and variable by evening in Scandinavia, and veering to the Westward in most parts of the British Islands.

Barometer in morning highest; 30.1 ins. to 30.2 ins. in a large area of high pressure, extending from off the coast of Portugal, across France and the Central countries, to southern Russia, and about 30.0 ins. to the northward of Iceland; lowest, 29.6 ins. and less in a depression off our north-western coasts, 29.7 ins. and less in a well marked system over the Baltic, and about 30.0 ins. in a shallow system between Sardinia and Sicily. Former disturbance advancing to the north of Scotland during day; Baltic depression moving eastwards, little other change.

Thursday, 18th August, 1910.

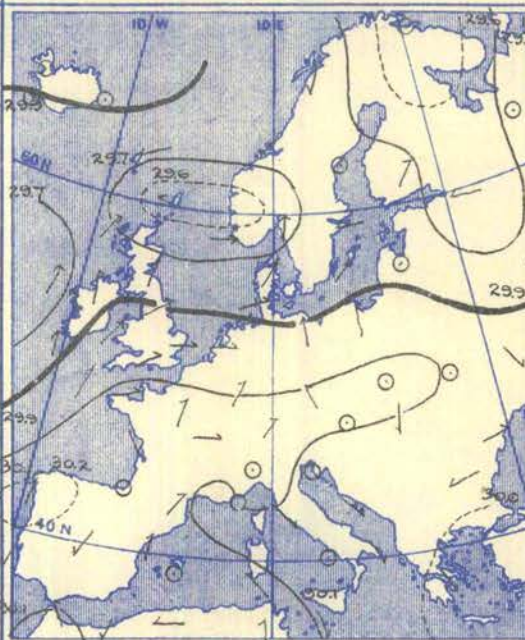
Temperature and Weather.

7 a.m.

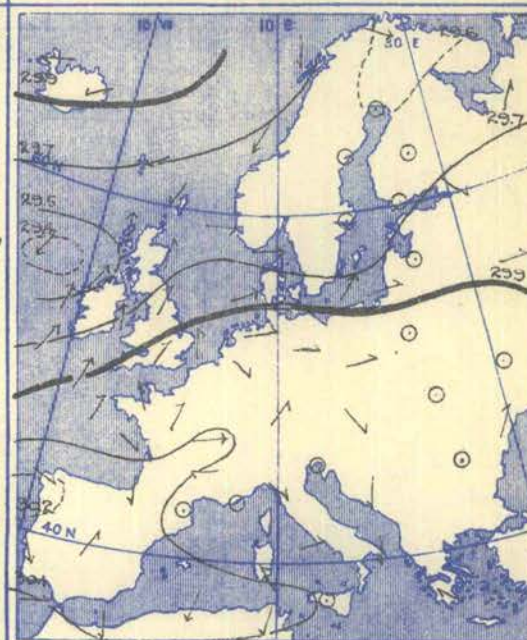


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine over the southern, central, and south-eastern countries of Europe generally, and fair over Great Britain as a whole, but dull, with showers, in Ireland, and dull, with rain in many places, in northern Europe. Rain during day in all parts of the British Islands, amounts slight in the south-east of England, but considerable elsewhere, heavy in the west, half-an-inch to nearly an inch in many places; smaller measurements in a few Continental localities.

Temperature fallen over Ireland and England, risen over southern Russia, changed irregularly elsewhere. Morning readings ranging from below 50° at many stations in the far north, and below 60° over our Islands and the Central countries, to above 70° in the Mediterranean region generally. Maxima in our Islands during day not exceeding 70°, except at Yarmouth, and only about 60° at many places in the west and north, above 80° in the southern countries generally, and above 90° at some places in the south of France; 102° at Biskra, Algeria.

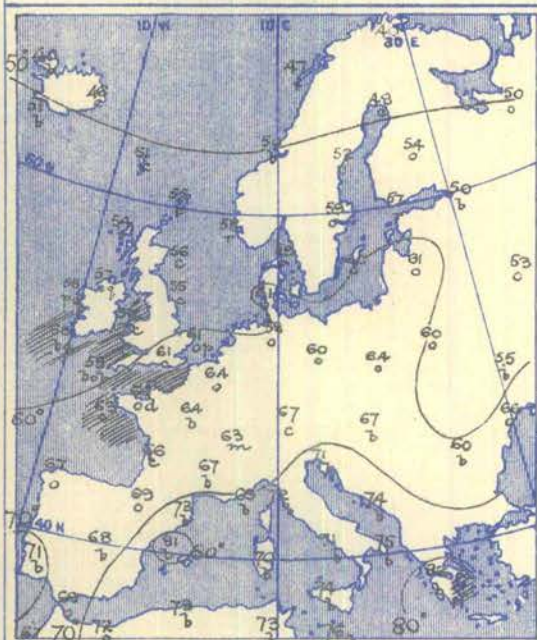
Wind in morning light or moderate from between West and South over the British Islands, the North Sea, the Channel and neighbouring shores; variable over the Continent generally. Increasing to a fresh to high wind at many of our western stations during day, and veering Westward in the south of Ireland; very little change elsewhere.

Barometer in morning highest, 30.1 ins. to 30.2 ins., in a large area of high pressure covering the greater part of central and south-western Europe, and extending to the Azores, and above 29.9 ins. in Iceland; lowest, below 29.6 ins. in two depressions, one in the extreme north of Europe, and the other lying between Shetland and the west of Norway, and 29.7 ins. in a new disturbance off the west of Ireland. Disturbance in neighbourhood of Shetland spreading eastwards to south of Sweden during day, that on the Atlantic passing north-eastwards barometer falling quickly at our north-western stations.

Friday, 19th August, 1910.

Temperature and Weather.

7 a.m.



Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning unsettled, with a variable sky, over all the north-western parts of our area, and with rain at several stations. Fair to fine and bright in most other regions. Some rain later over the major portion of our Islands, and also the northern half of the Continent; measurements varying from between 0.5 in. and 1.1 in. on the coast of North Germany.

Temperature risen generally, fallen over Scandinavia and Denmark. Readings in morning ranging from about 80° at a few places in the far south, and above 70° over a large area, to about 55° at several stations in the north of these Islands, and to about 40° in the far north of Scandinavia. Thermometer rising to slightly above 70° later in some English localities, to between 70° and 80° over a very wide area on the Continent, and to above 80° at many places in the south. Highest values, 100° at Madrid, 93° at Cape Béarn, and 91° at Bucharest.

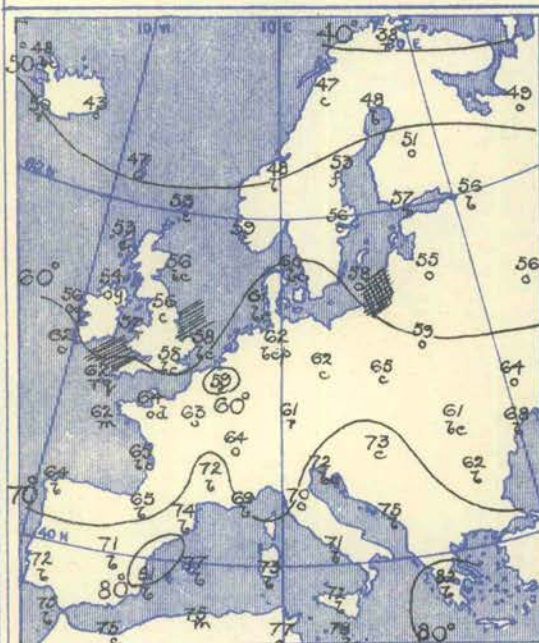
Wind in morning cyclonic over the north-west of our area, anticyclonic elsewhere. Westerly to South-Westerly current fresh to strong or high over Ireland and England. Light or moderate breezes prevailing over our area as a whole, but a gale from the Westward blowing at Vardø. Continuing very strong from the Westward over England throughout the day; increasing to a gale from the South-Westward on the coast of Jutland, and to a strong gale at Berlin. A high wind from North-East springing up on the west coast of Norway.

Barometer in morning about 30.2 ins. over the north of Spain, and relatively high over the southern half of our area. Below 29.5 ins. in a depression in the extreme north of Scandinavia, and below 29.3 ins. in a well-defined minimum over the Hebrides. Latter disturbance travelling quickly eastward during day, but little other change taking place. Pressure increasing rather quickly in the north-west of these Islands, and steadily in the south-west.

Saturday, 20th August, 1910.

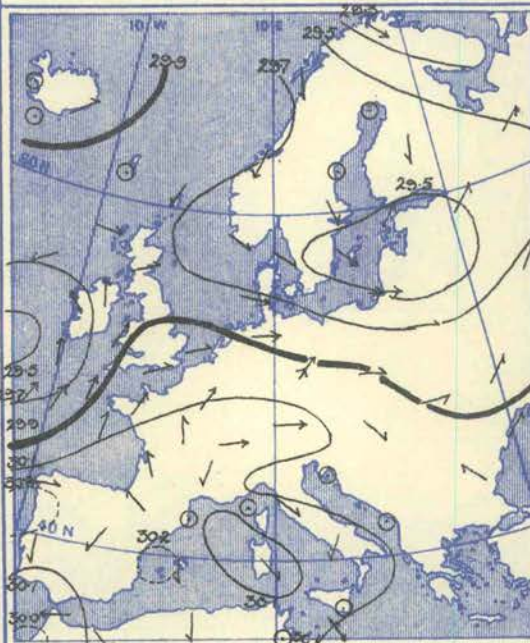
Temperature and Weather.

7 a.m.

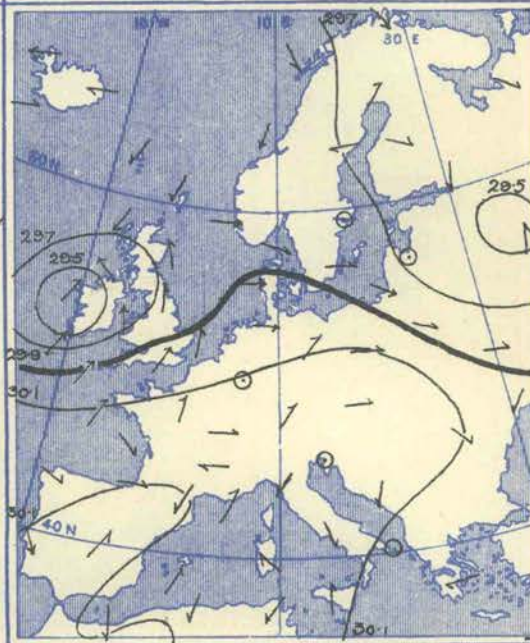


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally unsettled, with a good deal of cloud, and rain in places, over the northern and north-western countries; fair to fine in almost all other regions, but rainy at Munich. Rain falling later in many parts of these Islands, North Germany, and Russia, but nearly all measurements moderate or small.

Temperature showing no decided change. Readings ranging from between 70° and 80° over a very extensive portion of southern Europe and the Mediterranean to about 60° over the south of these Islands and the Baltic, to below 50° in the north of our area, and to 38° at Vardö. Maxima during day below 70° at almost all our own stations, but about 90° at various places in southern Europe, and as high as 102° at Madrid.

Wind in morning Southerly in Ireland and Wales. Mainly Westerly over England, France, and the central countries of the Continent, and variable in the north, as well as over the Mediterranean region. A gale from the Westward felt at Memel, and a strong gale from South-West at Berlin. Increasing considerably in force during day over the United Kingdom, and cyclonic circulation becoming more marked. Gale subsiding by evening at Berlin and Memel.

Barometer in morning ranging from about 30.2 ins. in central France, and also at Corunna, to below 29.5 ins. in a depression over the upper portion of the Baltic and its neighbourhood, and to below 29.3 ins. in the extreme north of our area. Another depression existing to the westward of Ireland. Atlantic disturbance extending quickly over our western districts during day and gradient growing rather steep over Ireland and England. Baltic depression travelling away quickly in an easterly direction.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of observation.	Station and its Height above M.S.L.	Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. August 5th, 8.30 a.m. to 2.15 p.m.	Aldershot, 80 m.	Temperature Humidity Wind	285° 90% —	282° 90% —					Metres. 800	
2	August 14th, 11.0 a.m. to 12.30 p.m.	Brighton, 115 m.	Temperature Humidity Wind	291.5° 88% 135°, 5.4	288.0° 70% 120°, ?						Thick fog, clearing off and leaving a little Cirrus. Very poor wind, ascent obtained by winding in rapidly.
3	August 15th, 3.15 p.m. to 6.10 p.m.	Petersfield, Ditcham Park, 122 m.	Temperature Humidity Wind	292.4° 100% —, 9	287.4° 100% —, 9					286.3° 100% —, 9	545 Wind, E.N.E., 67°
4	August 16th, 12.0 p.m. to 5.50 p.m.	Petersfield, Ditcham Park, 122 m.	Temperature Humidity Wind	292.2° 80% —, 7	285.2° 85% —, 7					284.1° 82% —, 8	580 Sunshine, very little cloud. Wind, S.W., 225°
5	August 18th, 11.56 a.m. to 4.20 p.m.	Petersfield, Ditcham Park, 122 m.	Temperature Humidity Wind	293° 71% —, 8	287° 84% —, 8.5					282° 100% —, 12	1,200 Cloudy. Wind, S.W., 225°
6	August 18th, 5.0 p.m. to 6.30 p.m.	Brighton, 115 m.	Temperature Humidity Wind	289.0° 100% 220°, 5.8	287.5° 100% 220°, 11.0	287° 100% ?	284° 85% 240°, 17			283° 100% 240°, 15.7	1,170 Overcast. Stratus. Kite entered cloud at 435 m. Wind direction by wire.
7	August 19th, 9.55 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	291.5° 70% 250°, 10	290° 60% 250°, 14	287.5° 75% 250°, 16	284° 85% 240°, 17			282.5° 95% 240°, 18	1,200 A few clouds not reached.
8	August 19th, 2.10 p.m. to 3.30 p.m.	Petersfield, Ditcham Park, 122 m.	Temperature Humidity Wind	291.3° 82% —, 12	289° 82% —, 12					286.9° 97% —, 12	328 Wind, W.S.W., 248°
9	August 20th, 10.30 a.m. to 12.0 noon.	Brighton, 115 m.	Temperature Humidity Wind	289° 100% 180°, 5.4	287° 100% ?	288° 100% 260°, 14.8					Station in cloud. Kite not seen. Rain at times. Wind by wire, veering gradually with altitude. Temp. 287° at about 250 m.
10	August 21st, 12.0 noon to 6.0 p.m.	Petersfield, Ditcham Park, 122 m.	Temperature Humidity Wind	286.9° 80% 260°, —	284.1° 93% 260°, 12.6	282.2° 96% 260°, 11.2	278.3° 87% 260°, 12.1			276.9° 90% 260°, 10.6	1,180 Strong wind at first, falling off towards the end. Well-marked temperature gradient.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10
No. of Kite	—	1	1	1	1	1	1	1	1	1
Area of Surface (sq. metres) ..	—	7	1	1	1	1	1	1	1	1
Length of Wire (metres)	—	1,000	910	760	1,520	1,500	1,000	390	1,300	2,500

* Large Kite.

† Small Kite.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 34. THIRTY-FOURTH WEEK, SUNDAY, AUGUST 21ST, TO SATURDAY, AUGUST 27TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—Unseasonable and unsettled conditions again prevailed over the whole Kingdom. Rain was experienced nearly every day over the major portion of Ireland, Scotland, and the west and north of England, the quantity being large in most localities. Thunderstorms occurred on the 23rd at Manchester, on the 24th at Marchmont and York, and on the 25th or 26th at many places in the eastern half of England.

Temperature was below the normal except in England E., the greatest deficit being more than 2° in Scotland E. The highest of the maxima were recorded on somewhat variable dates, and ranged from 74° in the Midland Counties and the English Channel to 66° in Ireland N. and to 66° or 65° in Scotland. The lowest of the minima, which occurred generally about the middle of the week, ranged from 32° in Scotland E. (at West Linton on the 23rd), and 39° in England N.W. to 47° in Ireland S., and 54° in the English Channel. The lowest grass readings were 30° at West Linton, 32° at Sheffield, 33° at Birmingham and Newton Rigg, 34° at Crathes, and 36° at Glasgow.

Mean Temperature of the Sea.—At most stations along the western coasts the water was colder than during the corresponding week last year, while at many along the eastern and north-eastern coasts it was warmer. The means for the week ranged from 64° at Margate and Eastbourne, 63° at the Shipwash, and about 61½° at Newquay and Plymouth to 55° at Scarborough, Aberdeen and Lerwick, and 53° at Wick.

Bright Sunshine was less than the average very generally; the percentage of the possible duration ranged from 46° in the English Channel to 35 in England S.E. and E., 14 in Scotland, W., and 12 in Ireland, N.

Rainfall exceeded the normal excepting in England S.E. As a rule the excess was large, especially in the north and north-west. Falls of an inch or more within 24 hours occurred over a wide area; on the 23rd in various parts of England and Wales, on the 25th in Scotland and at Waterford, and on the 26th at Stonyhurst. The largest measurements were 2.38 ins. at Crieff on the 24th, and 1.69 in. on the 25th, 2.2 ins. at Stornoway, and 1.60 in. at Stonyhurst on the 26th. At Crieff the total for the week was 5.89 ins., the three days Tuesday to Thursday giving 5.19 ins. of which 3.50 ins. fell in twenty-three hours.

Barometer and Wind.—In its general character the pressure distribution differed little from that prevailing during the preceding week. The highest barometer was found over the lower part of the Atlantic, and the anticyclone extended in a wedge-shaped area to France. Pressure was also relatively high over Iceland. Cyclone centres moving eastward or north-eastward on the Atlantic passed across these Islands, and as some of the systems were rather deep, the accompanying winds were of considerable force over the whole of this country and its immediate neighbourhood. High winds were experienced in many places during the latter half of the week, and at some exposed spots on the coast the force of a gale was attained.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 276.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Very heavy	Heavy	Heavy	Very heavy	Heavy	Heavy
	Sunshine ...	Moderate	Very scanty	Scanty	Moderate	Scanty	Scanty	Very scanty	Very scanty	Scanty	Very scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 12 weeks from June 5th, 1910.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	3 * 4	4 * 4	5 * 5	4 * 3	6 * 4	5 * 4	4 * 4	6 * 4	6 * 3	5 * 2	* 3	4 * 2
	Sunshine ...	5 * 4	4 * 6	1 * 6	1 * 7	1 * 7	1 * 7	4 * 5	3 * 3	2 * 5	3 * 4	3 * 4	1 * 5

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

DISTRICTS (See Frontispiece map.)		THIRTY-FOURTH WEEK—August 21st to August 27th, 1910.																	
		Temperature.								Rainfall.				Sunshine.					
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
								Day-deg.	Day-deg.	Day-deg.	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH		66	41	58·8	47·8	53·6	- 1·4	77	- 10	0	0	5	+ 1	1·32	+0·32	23	- 3	23	- 3
Eastern																			
1. SCOTLAND, EAST		65	32	59·3	47·9	53·3	- 2·3	79	- 16	0	0	6	+ 2	1·83	+1·08	16	- 18	15	- 17
2. ENGLAND, N.E.		70	41	63·8	51·5	57·3	- 9·2	107	- 2	0	0	6	+ 2	1·32	+0·70	24	- 11	24	- 11
3. ENGLAND, EAST		73	42	67·2	53·4	59·9	+ 0·5	125	+ 3	0	0	5	+ 1	0·65	+0·09	35	- 6	25	- 6
4. MIDLAND COUNTIES		74	43	65·3	51·8	58·2	- 0·2	113	- 2	0	0	5	+ 2	1·05	+0·40	22	- 15	22	- 15
5. ENGLAND, S.E.		71	41	65·9	53·8	59·5	- 1·1	123	- 7	0	0	4	0	0·50	-0·13	34	- 9	35	- 9
Western																			
6. SCOTLAND, WEST		66	41	60·5	50·2	55·0	- 1·3	91	- 9	0	0	6	+ 2	2·31	+1·22	14	- 20	14	- 19
7. ENGLAND, N.W.		69	39	62·0	51·8	56·6	- 1·3	102	- 9	0	0	6	+ 2	1·59	+0·70	18	- 16	18	- 16
8. ENGLAND, S.W.		72	46	63·5	53·6	58·3	- 0·6	114	- 5	0	0	5	+ 1	1·28	+0·42	32	- 9	32	- 9
9. IRELAND, NORTH		66	44	61·1	50·8	55·7	- 0·8	96	- 6	0	0	6	+ 1	1·92	+0·98	12	- 17	12	- 17
10. IRELAND, SOUTH		68	47	62·2	52·2	56·9	- 1·0	104	- 8	0	0	6	+ 1	1·45	+0·47	23	- 11	23	- 12
11. ENGLISH CHANNEL		74	54	65·5	56·7	60·8	- 0·6	132	- 4	0	0	4	0	1·13	+0·53	45	- 5	46	- 5
		THE SEASON (Summer).—Aggregates, &c., for the Period of 12 Weeks, June 5th to August 27th, 1910.																	
0. SCOTLAND, NORTH		82	34	*	*	*	*	1068	+ 44	0	- 2	46	- 5	8·77	-0·69	372	+ 7	26	+ 1
Eastern																			
1. SCOTLAND, EAST		80	30	*	*	*	*	1085	- 64	0	- 1	48	+ 4	8·87	+1·27	407	- 46	29	- 3
2. ENGLAND, N.E.		81	37	*	*	*	*	1239	- 6	0	0	43	+ 4	6·54	+0·20	419	- 80	31	- 6
3. ENGLAND, EAST		83	39	*	*	*	*	1423	- 31	0	0	44	+ 7	6·40	+0·35	442	- 112	33	- 8
4. MIDLAND COUNTIES		83	40	*	*	*	*	1376	- 34	0	0	42	+ 5	7·59	+1·18	420	- 78	32	- 6
5. ENGLAND, S.E.		81	39	*	*	*	*	1442	- 37	0	0	41	+ 6	6·63	+0·79	453	- 120	35	- 9
Western																			
6. SCOTLAND, WEST		81	37	*	*	*	*	1257	+ 40	0	0	45	- 1	11·75	+1·86	482	+ 5	35	0
7. ENGLAND, N.W.		81	38	*	*	*	*	1325	- 13	0	0	44	+ 2	9·70	+1·67	492	- 3	36	0
8. ENGLAND, S.W.		81	34	*	*	*	*	1341	- 73	0	0	45	+ 4	10·08	+2·40	476	- 67	36	- 5
9. IRELAND, NORTH		79	37	*	*	*	*	1238	- 3	0	0	53	+ 1	12·10	+3·15	436	+ 33	32	+ 3
10. IRELAND, SOUTH		79	41	*	*	*	*	1344	- 17	0	0	55	+10	11·43	+2·66	450	- 4	34	0
11. ENGLISH CHANNEL		79	47	*	*	*	*	1468	- 68	0	0	44	+ 3	7·56	+1·46	545	- 122	42	- 10
		THE YEAR.—Aggregates, &c., for the Period of 34 Weeks, January 2nd to August 27th, 1910.																	
0. SCOTLAND, NORTH		82	2	*	*	*	*	1521	+ 49	595	+ 38	158	+ 3	33·38	+3·08	912	+ 52	28	+ 2
Eastern																			
1. SCOTLAND, EAST		80	-10	*	*	*	*	1597	- 83	636	+ 16	139	+11	21·45	+2·59	1003	- 17	31	- 1
2. ENGLAND, N.E.		81	6	*	*	*	*	1927	+ 80	454	- 21	130	+14	16·03	+1·21	1018	- 83	32	- 3
3. ENGLAND, EAST		83	17	*	*	*	*	2189	+ 44	393	- 123	130	+18	16·71	+2·34	1141	- 48	36	- 2
4. MIDLAND COUNTIES		83	10	*	*	*	*	2131	+ 2	474	- 59	131	+20	17·73	+1·61	1044	- 21	33	- 1
5. ENGLAND, S.E.		81	13	*	*	*	*	2243	- 53	294	- 87	131	+25	18·38	+2·93	1156	- 48	37	- 2
Western																			
6. SCOTLAND, WEST		81	0	*	*	*	*	1875	+ 66	432	+ 7	147	+12	31·22	+3·51	1056	+ 6	33	0
7. ENGLAND, N.W.		81	7	*	*	*	*	1985	+ 23	338	- 48	148	+25	25·23	+4·91	1120	+ 54	35	+ 2
8. ENGLAND, S.W.		81	8	*	*	*	*	2113	- 66	242	- 59	141	+20	25·96	+4·20	1171	- 9	37	0
9. IRELAND, NORTH		79	7	*	*	*	*	1881	- 10	351	+ 6	164	+17	23·81	+5·90	975	+ 11	31	+ 1
10. IRELAND, SOUTH		79	13	*	*	*	*	2162	- 18	258	- 1	166	+35	29·92	+5·63	1045	- 11	33	- 1
11. ENGLISH CHANNEL		79	28	*	*	*	*	2401	- 54	54	- 55	138	+10	21·97	+3·95	1316	- 115	42	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.												
																			Above 42°	Below 42°
1. SCOTLAND, N.	a, Islands.	61	27th	45	23rd, 26th	57.7	47.6	52.4	—	73	0	5	1.13	—	47.3	—	45	Baltasound.		
	a Sumburgh Head	62	27th	45	22nd, 23rd	57.9	47.0	52.1	0.0	71	0	6	1.03	+ 0.34	40.6	+14.1	39	Deerness.		
	a Stornoway	62	23rd	41	23rd	57.4	48.7	52.8	-1.0	76	0	4	2.53	+ 1.67	20.4	- 9.2	20	Stornoway.		
	a Castlebay, Barra Isd.	60	21st	49	22nd, 23rd	57.3	50.7	53.8	-2.5	83	0	5	3.01	+ 2.19	21.9	—	22	Castlebay.		
	a Wick	62	27th	41	23rd	58.6	45.1	51.5	-2.5	67	0	5	1.20	+ 0.56	—	—	—	Wick.		
	a Strathpeffer	60	25th	44	23rd	58.1	48.0	52.8	-2.0	76	0	6	1.36	+ 0.78	13.0	-14.3	13	Strathpeffer.		
	a Glencarron	63	23rd	43	22nd	57.6	47.0	52.0	-1.3	70	0	5	1.11	+ 0.59	—	—	—	Glencarron.		
	a Fort Augustus	62	23rd, 26th	47	26th	58.8	49.7	54.0	-1.3	84	0	6	0.99	+ 0.17	13.8	- 6.5	14	Fort Augustus.		
	a Fort William	66	22, 23, 26th	44	23rd	62.0	49.1	55.2	-0.3	92	0	6	1.16	- 0.28	—	—	—	Fort William.		
2. SCOTLAND, E.	a Gordon Castle	65	25th	37	23rd	61.1	46.0	53.1	-2.5	78	0	4	0.67	- 0.06	18.6	—	18	Gordon Castle.		
	a Nairn	62	26th	37	23rd	59.1	46.6	52.5	-2.9	74	0	6	0.93	+ 0.38	11.4	—	11	Nairn.		
	a Aberdeen	62	25th, 27th	45	23rd	59.9	49.6	54.4	-1.3	87	0	5	0.88	+ 0.25	25.6	- 8.2	25	Aberdeen.		
	a Balmoral	62	21st	42	27th	59.4	45.9	52.3	-0.2	72	0	5	1.32	+ 0.51	12.6	—	12	Balmoral.		
	p Crieff	62	23rd	45	23rd	58.6	48.9	53.5	-3.0	81	0	7	5.89	+ 4.96	16.1	—	16	Crieff.		
	a Leith	64	26th	40	23rd	59.4	50.1	54.5	-3.2	88	0	6	2.06	+ 1.44	—	—	—	Leith.		
	a West Linton	60	25th, 26th	32	23rd	57.6	47.0	52.0	-2.2	70	0	7	1.65	- 0.33	—	—	—	West Linton.		
	p Marchmont	63	21st	45	23rd	59.6	49.4	54.2	-0.6	85	0	6	1.25	+ 0.50	12.8	-19.8	13	Marchmont.		
3. ENGLAND, N.E.	a Alnwick Castle	65	26th	45	23rd	61.4	51.2	56.0	-0.1	98	0	7	0.88	+ 0.20	21.7	—	22	Alnwick Castle.		
	a Shields	65	21st, 26th	46	25th	62.0	49.1	55.2	-1.8	92	0	3	0.77	+ 0.18	11.7	-17.1	12	Shields.		
	p Durham	69	21st	41	23rd	62.6	49.3	55.6	-1.6	95	0	6	0.93	+ 0.38	13.4	-19.2	13	Durham.		
	p Rounton	67	21st	45	23rd, 25th	62.6	49.5	55.7	-0.8	96	0	5	1.53	+ 0.95	—	—	—	Rounton.		
	p Scarborough	69	21st	50	23rd, 25th	65.0	53.4	58.9	+1.1	118	0	6	2.05	+ 1.45	26.4	—	26	Scarborough.		
	p York	68	25th	45	23rd	64.3	51.6	57.6	-0.6	109	0	6	1.10	+ 0.54	18.7	-14.3	19	York.		
	a Spurn Head	67	22nd, 24th	50	27th	65.1	53.1	58.7	-0.2	117	0	6	1.60	+ 1.15	—	—	—	Spurn Head.		
	a Lincoln	70	21st	47	25th	66.2	53.0	59.2	+0.1	120	0	6	1.40	+ 0.90	36.1	—	36	Lincoln.		
4. ENGLAND, S.E.	a Fulbeck	68	24th	48	23rd	64.7	53.1	58.6	-0.4	116	0	6	1.63	+ 1.07	26.2	—	27	Fulbeck.		
	p Cromer	69	24, 25, 26th	49	25th	66.3	52.6	59.0	+0.5	119	0	6	0.45	- 0.06	39.2	—	40	Cromer.		
	p Hillington	69	24, 25, 26th	46	25th	66.7	52.0	58.9	+0.0	118	0	5	0.46	- 0.17	31.6	- 7.6	32	Hillington.		
	a Yarmouth	70	21, 24, 25, 26	50	25th	67.3	53.3	58.9	+0.5	125	0	5	0.81	+ 0.23	36.6	—	37	Yarmouth.		
	a Norwich	70	21, 24, 26th	49	25th	67.4	54.1	60.4	+0.8	129	0	5	0.79	- 0.02	37.1	- 5.2	38	Norwich.		
	p Geldeston	73	24th	49	25th	69.1	58.4	60.8	+1.8	132	0	6	0.82	+ 0.32	37.1	- 5.2	38	Geldeston.		
	p Cambridge	71	24th	42	25th	66.8	52.0	59.3	-0.7	121	0	4	0.89	- 0.13	32.3	- 9.1	33	Cambridge.		
	a Felixstowe	71	21st	53	23rd, 25th	67.3	55.0	61.3	+0.8	135	0	6	0.75	- 0.02	38.2	—	39	Felixstowe.		
5. ENGLAND, S.W.	a Clacton-on-Sea	73	21st	52	23rd, 25th	68.0	54.6	60.9	+0.2	132	0	3	0.93	- 0.02	33.7	- 9.8	34	Clacton.		
	a Rothamsted	70	24th	47	23rd	64.7	52.8	58.4	-0.2	115	0	6	0.57	+ 0.00	31.6	- 9.8	32	Rothamsted.		
	a Shoeburyness	73	21st	51	23rd	69.4	55.9	62.3	+0.6	142	0	6	0.53	+ 0.14	37.1	- 3.8	38	Shoeburyness.		
	p Tottenham	73	24th	53	23rd, 27th	68.3	55.4	61.5	+1.3	137	0	4	0.61	- 0.02	38.0	—	38	Tottenham.		
	a Harrogate	64	21st	45	23rd	61.1	51.0	55.8	-0.7	97	0	6	1.83	+ 1.20	17.7	—	18	Harrogate.		
	a Bawtry	70	21, 22, 23rd	45	23rd	67.1	50.9	58.5	+0.1	116	0	6	0.86	+ 0.34	18.8	-13.6	19	Bawtry.		
	p Buxton	63	24th	45	23rd	61.3	51.0	55.8	-0.5	97	0	7	2.17	+ 1.77	11.6	—	12	Buxton.		
	a Nottingham	69	21st	46	25th	65.3	51.3	57.9	-0.7	111	0	6	1.62	+ 1.08	19.1	—	19	Nottingham.		
6. MIDLAND COUNTIES.	p Birmingham, Edgban	67	24th	48	23rd	63.4	52.2	57.5	-0.7	100	0	6	1.83	+ 1.22	20.8	—	21	Birmingham.		
	a Raunds	74	24th	43	23rd	67.3	52.3	59.6	+0.8	123	0	5	0.41	- 0.02	25.2	-15.4	26	Raunds.		
	a Oxford	69	24th	50	23rd	65.9	53.9	59.5	+0.1	123	0	5	0.48	- 0.02	25.2	-15.4	26	Oxford.		
	a Cheddle	66	21st, 26th	45	25th	63.7	50.7	56.8	-0.3	104	0	5	1.64	+ 0.88	17.6	—	18	Cheddle.		
	p Shrewsbury	67	21st	43	21st	64.3	50.1	56.8	-1.6	104	0	5	0.57	- 0.02	31.6	- 9.8	32	Shrewsbury.		
	a Hereford	68	22nd, 25th	48	23rd	65.2	53.4	59.0	+0.1	119	0	5	1.15	+ 0.60	26.3	-13.4	27	Hereford.		
	a Cirencester	72	22nd	45	23rd	68.7	50.8	59.2	+1.5	120	0	5	0.91	+ 0.26	30.9	- 8.1	31	Cirencester.		
	a Bath	70	25th	45	23rd	66.0	53.7	59.5	+0.2	123	0	4	0.29	- 0.32	41.1	- 4.2	42	Bath.		
7. ENGLAND, S.E.	p Kew	70	21st	51	23rd	67.0	54.7	60.5	+0.5	130	0	5	0.56	+ 0.04	36.7	- 4.6	37	Kew.		
	a Marlborough	66	21st, 25th	41	23rd	64.1	50.6	57.0	-0.4	105	0	4	0.33	- 0.27	20.8	-18.3	21	Marlborough.		
	a Margate	71	24th	51	25th	68.1	54.9	61.1	+0.1	134	0	5	0.53	+ 0.08	35.1	- 6.6	36	Margate.		
	a Wisley, Surrey	71	21st, 24th	47	23rd	67.5	54.2	60.5	-0.3	130	0	4	0.34	- 0.20	42.2	- 4.2	43	Wisley.		
	a Swaraton	68	21st	42	23rd	64.7	52.2	58.4	-0.4	113	0	5	0.42	- 0.20	42.2	- 4.2	43	Swaraton.		
	a Tunbridge Wells	70	24th	48	23rd	65.8	52.1	58.5	-0.7	116	0	4	0.82	+ 0.31	37.4	- 5.7	38	Tunbridge Wells.		
	a Dungeness	67	21st	50	22nd, 23rd	65.7	50.0	60.0	-0.8	126	0	4	0.62	+ 0.17	35.8	—	37	Dungeness.		
	p Hastings	67	24th	49	23rd	65.0	53.7	59.0	-1.7	119	0	4	0.81	- 0.23	37.7	- 8.9	38	Hastings.		
8. ENGLAND, S.W.	p Southampton	68	21st, 26th	47	23rd	66.2	53.9	59.7	-1.7	124	0	4	0.56	- 0.03	28.9	-16.7	30	Southampton.		
	a Ventnor	67	25th	51	23rd	64.9	56.7	60.6	-1.1	130	0	5	0.50	- 0.00	30.4	-15.8	31	Ventnor.		
	p Westminster	72	24th	50	23rd	67.6	53.9	60.3	+0.3	128	0	4	0.58	+ 0.06	31.9	- 4.8	32	Westminster.		
	a Greenwich	75	24th	49	23rd	70.2	54.2	61.7	+0.6	138	0	4	0.50	+ 0.33	37.1	- 8.1	38	Greenwich.		
	a Poltalloch	62	21, 24, 25th	43	23rd	60.3	52.4	56.1	-0.3	99	0	5	2.52	+ 1.42	—	—	—	Poltalloch.		
	p Glasgow	62	24th	43	23rd	59.1														

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	54·6	—	Harrogate	0	42	56·9	56·2	6. Dumfries	0	38	59·1	59·0
1. Aberdeen	—	—	—	54·3	Huddersfield	0	39	58·7	56·2	Douglas	0	48	—	—
Crathes	0	34	57·6	55·8	Buxton	0	40	57·4	54·6	Aspatia	0	37	58·3	55·2
Balmoral	0	38	—	—	Sheffield	0	32	58·2	56·1	Newton Rigg	0	33	58·7	56·5
West Linton	1	30	—	—	Nottingham	0	44	59·1	58·9	Burnley	0	40	56·8	55·2
Marchmont	0	39	57·0	—	Birmingham	0	33	55·5	53·1	Southport	0	44	61·2	60·7
Cockle Park	0	39	56·4	55·4	Oxford	0	—	—	—	Manchester City	0	43	59·5	58·9
Durham	0	39	—	—	Hereford	0	42	—	—	Bettws-y-Coed	0	48	57·3	55·6
York	—	—	59·5	57·9	Cirencester	0	40	58·8	57·0	Llangammarch Wells	0	40	58·2	56·0
Hull	0	43	59·4	56·7	Bath	—	—	62·4	61·0	Cardiff	0	42	60·3	58·6
Lincoln	—	—	60·0	57·5	Margate	0	48	61·5	59·0	Clifton	0	40	—	—
Raueby	0	47	61·0	58·0	Greenwich	0	42	—	—	Plymouth	0	45	—	—
Norwich	0	44	—	—	Westminster	0	45	61·3	58·6	9. Armagh	0	46	59·9	58·1
Yarmouth	—	—	63·0	60·9	Kew	0	44	—	—	Markree	0	39	58·7	57·8
Lowestoft	0	47	62·6	60·7	Canterbury	0	42	62·4	—	10. Dublin, Trin. Coll.	0	42	60·3	58·0
Cambridge	0	39	61·3	59·5	Tunbridge Wells	0	40	61·4	60·0	11. Guernsey, Brooklyn	0	46	63·4	61·4
Clacton-on-Sea	0	46	61·2	59·7	Worthing	0	41	63·1	60·6					
Southend	0	51	63·7	—	Portsmouth	0	41	62·5	60·7					
Tottenham	0	48	—	59·9	Glasgow	0	36	—	—					
					Rothsay	—	—	—	55·6					
					Colmonell	0	41	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	55	55	55·0	SCOTLAND, W.	Lamlash	56	54	54·4
	Kirkwall	56	54	54·8		Ballantrae	57	56	56·2
	Wick	54	53	53·3		Port Erin	58	56	57·2
SCOTLAND, E.	Cromarty	59	56	56·9	ENGLAND, N.W.	Newquay	62	60	61·5
	Pennan Bay	58	52	54·6		Scilly	60	57	57·9
	Aberdeen, Cove Bay	56	55	55·2		Plymouth	62	61	61·3
ENGLAND, N.E.	Burnmouth, Berwick	55	54	54·4	ENGLAND, S.W.	Salcombe	62	57	58·6
	Scarborough	59	52	55·1		Sheephaven	60	57	59·2
	Shipwash Lightship	64	62	62·5		Teelin	61	56	58·8
ENGLAND, E.	Margate	64	63	63·7	IRELAND, S.W.	Cleggan	59	56	57·6
	Eastbourne	64	63	63·9		Seafeld	62	57	59·4
ENGLAND, S.E.					IRELAND, E.				

* Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 21st August, 1910.

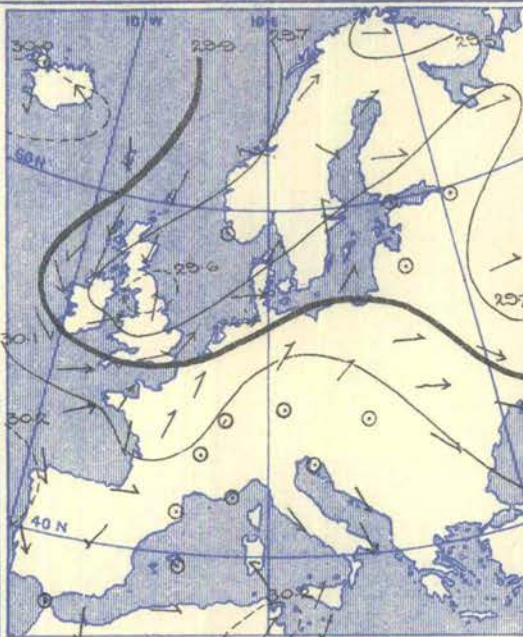
Temperature and Weather.

7 a.m.

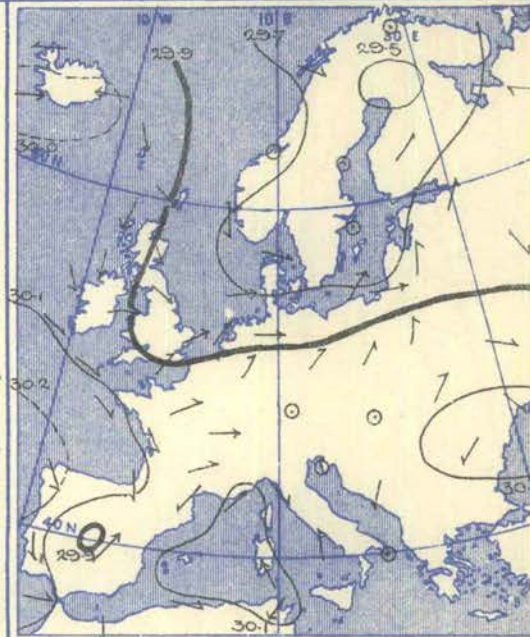


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally rough and unsettled over these Islands and their immediate neighbourhood, with rain at some stations, and a good deal of cloud. Rain also falling in various parts of Scandinavia and Denmark, as well as at Memel. Fair to fine conditions prevailing over the southern half of our area. Slight rain later in several parts of our Islands, and heavier amounts, with thunderstorms in places, in France and the adjacent part of Germany; as much as 2.5 ins. at Clermont, 1.9 in. at Nancy, and 1.1 in. at Carlsruhe.

Temperature showing little change. Morning readings ranging from 85° at Patras, and above 75° over a large area in the south, to about 60° over England and in Denmark, and to 50° or below in the extreme north of the Continent. Maxima during day about 70° in the south-east of England, but below 60° at some of our northern stations. Thermometer rising to 90° or rather higher in the warmer parts of France and southern Europe; to 99° at Madrid.

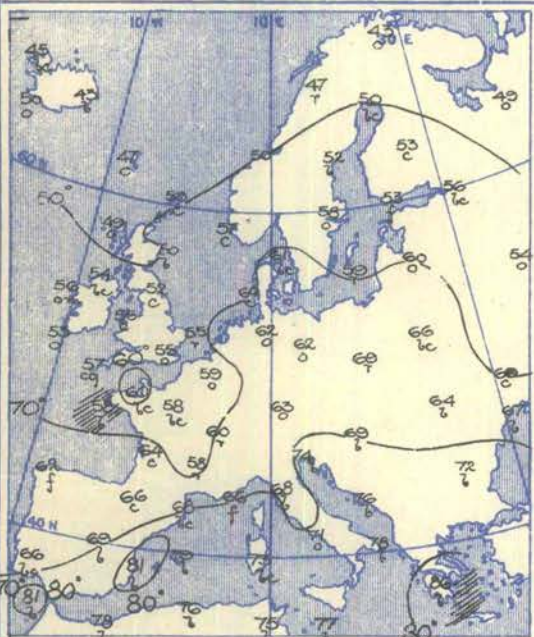
Wind in morning light to fresh from the Northward in Scotland, from between North and North-West in Ireland, and fresh to strong or high from West and South-West over England and the Channel. Light, variable airs general over the Mediterranean region, and light winds between West and South-West over the central countries. No general change later in day, but veering somewhat in the east of England and over the North Sea, and decreasing slightly in force.

Barometer in morning below 29.6 ins. in a minimum centred over the north-east of England, and below 29.5 ins. in another disturbance in the far north of Scandinavia; above 30.1 ins. over nearly the whole of southern Europe and the Mediterranean, and above 30.2 ins. on the Atlantic beyond the Peninsula. English minimum travelling away quickly to the eastward during day, and a brisk increase of pressure taking place in its rear.

Monday, 22nd August, 1910.

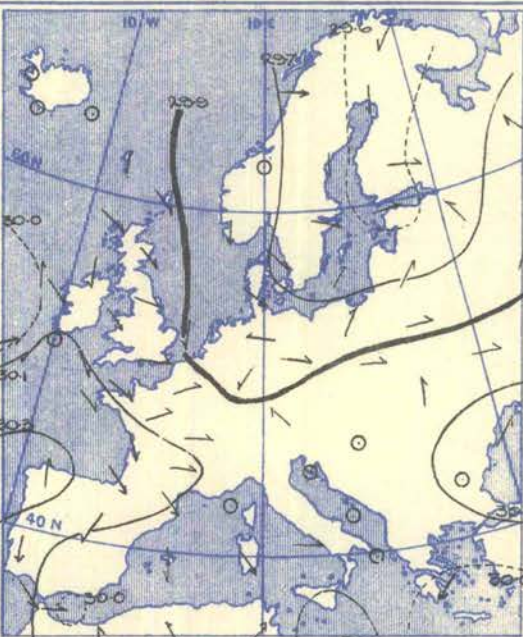
Temperature and Weather.

7 a.m.

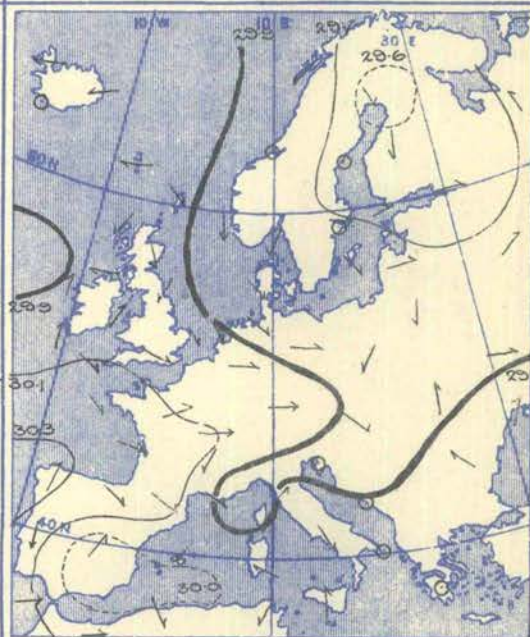


Barometer and Wind.

7 a.m.



6 p.m.



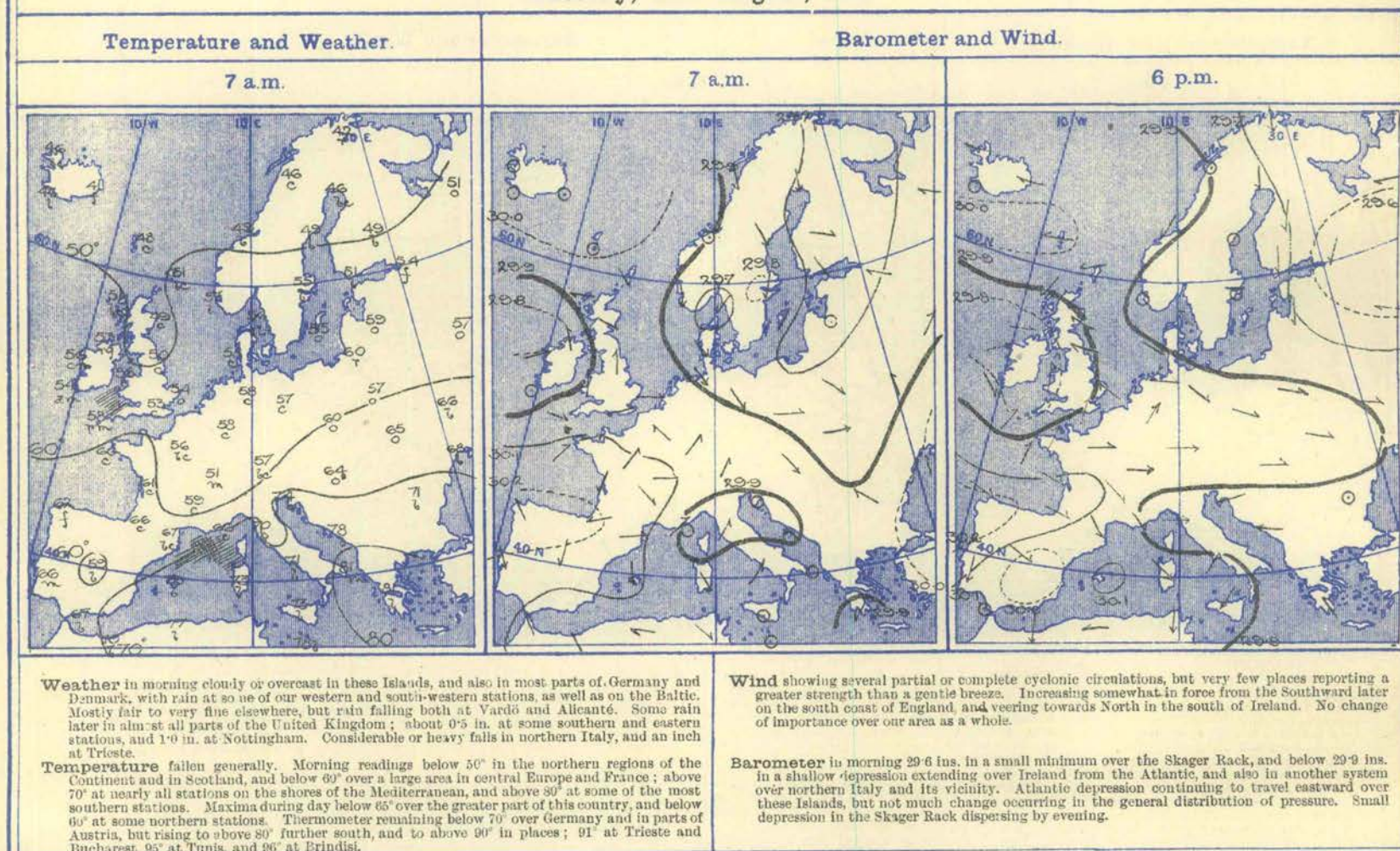
Weather in morning rather cloudy to overcast at most stations in France, and central and northern Europe, with rain at Great Yarmouth, and in a few places scattered over a wide area on the Continent. Fair to very fine and bright at nearly all stations in the south-east of our area and over the Mediterranean region. About 0.7 in. of rain later at Clacton-on-Sea, and smaller amounts in many other parts of these Islands. Rain experienced in considerable quantities at various stations on the Continent—more than an inch at Moscow.

Temperature fallen except in the extreme south. Morning readings ranging from 86° at Athens, 81° at San Fernando, and above 70° at many other places in the south, to below 50° in some Scottish localities, and also in the north of the Continent. Maxima during day below 65° over most of this country, and below 70° on the north coast of France and in the Netherlands, but above 80° over a very large area in central and southern Europe, and above 90° in places.

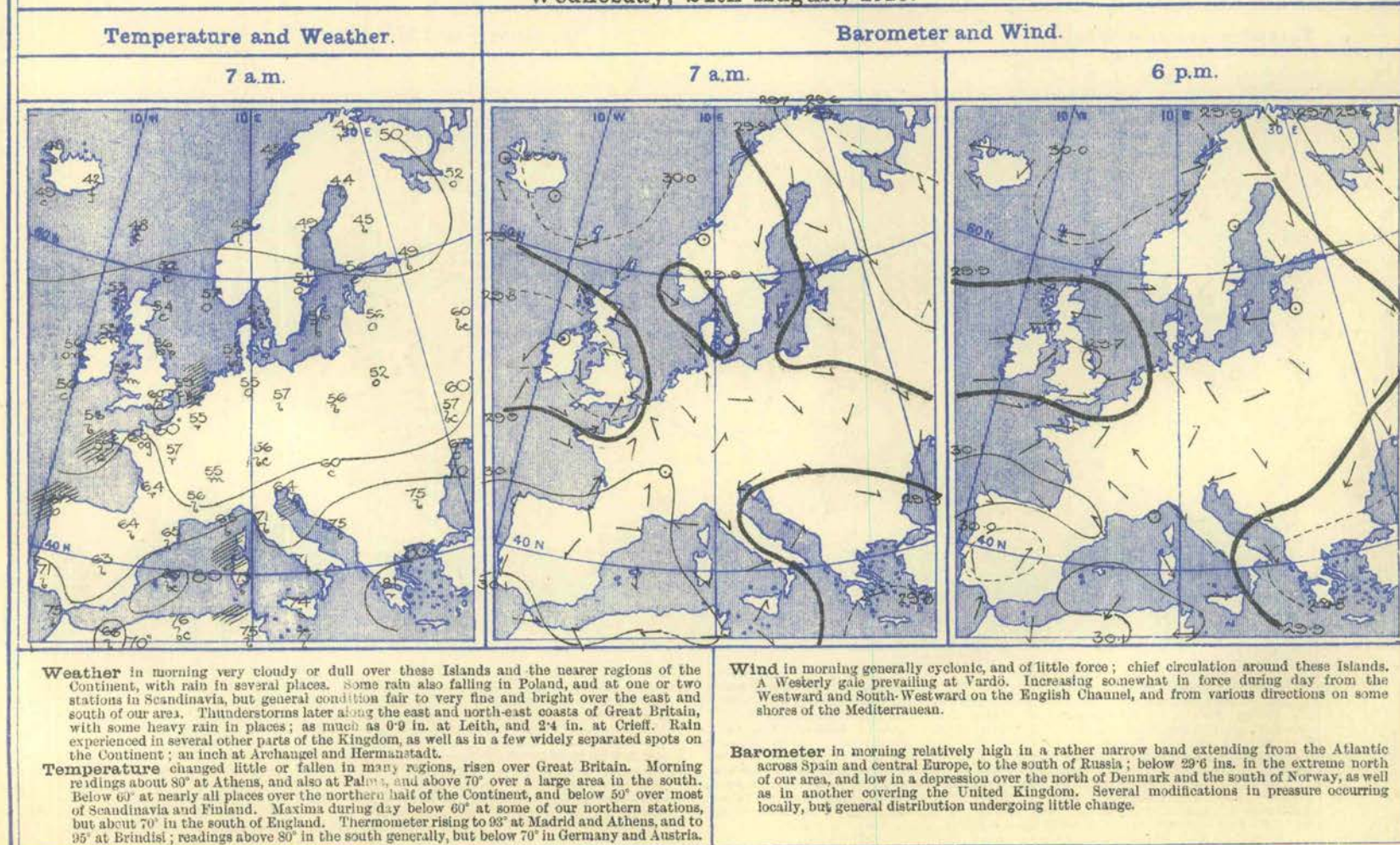
Wind in morning mainly Northerly or North-Westerly over these Islands and Scandinavia, Westerly in the central countries, and Southerly in Finland and northern Russia. Scarcely any place reporting a greater force than a moderate breeze. Light, variable airs prevalent on the Mediterranean. Wind backing to the Southward in the west of these Islands by evening. Increasing somewhat in strength at some stations on the shores of the Mediterranean; blowing a high wind from the North-Eastward at Palma.

Barometer in morning ranging from above 30.3 ins. in the north-west of Spain, and above 30.1 ins. in the south-east of our area, to below 29.6 ins. in the north, and to below 30.0 ins. in a depression to the westward of Ireland. Atlantic depression spreading very slowly eastward during day, and pressure beginning to give way in Ireland and Scotland. A well-defined depression developing over the eastern half of Spain and the adjacent part of the Mediterranean.

Tuesday, 23rd August, 1910.



Wednesday, 24th August, 1910.



Thursday, 25th August, 1910.

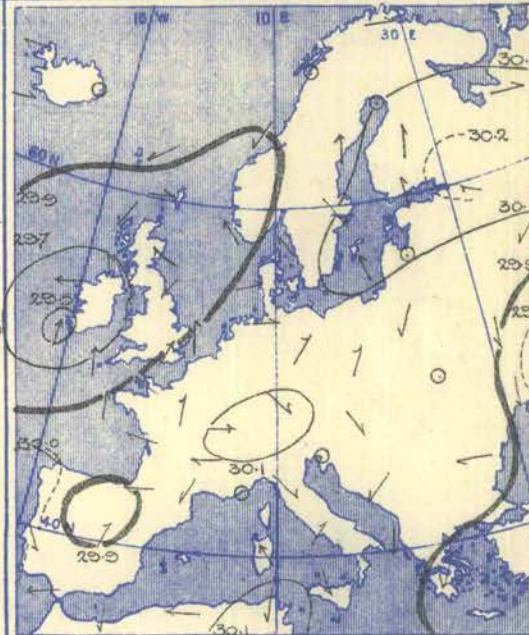
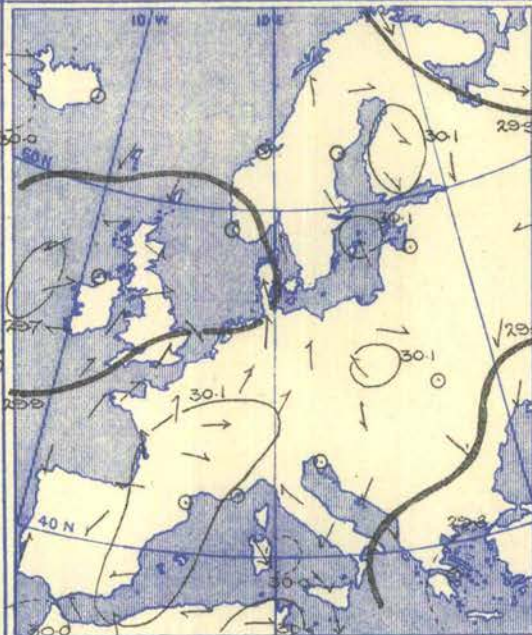
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning showery or rainy in the south-west of these Islands, and also at some stations beyond the North Sea. Fair to fine and bright over the major portion of the Continent, but rain falling at Kieff and Riga. Very heavy rain over this country later, with thunderstorms in some localities; more than 0.5 in. over a wide area, more than 1.0 in. in the west and north of Ireland, 1.6 in. at Castlebay, and 1.7 in. at Crieff. About an inch of rain in Little Russia, and 0.75 in. at Skagen.

Temperature showing little change. Morning readings ranging from 81° at Athens, and above 75° at a few other southern stations, to about 60° in many parts of Germany, France, and the south of England, to about 50° in Scotland, and to below 45° in the north of Norway. Maxima during day rather low over most of this country, but about 70° in the south-east. Thermometer rising to 90° at Madrid, and to about 90° at several other southern stations, but falling to touch 70° over a large part of central Europe.

Wind in morning generally light and rather variable, but fresh to high from the North-Westward in the extreme north of our area. A feeble cyclonic circulation prevailing over the North Sea region, and also over these Islands and the adjacent portion of the Atlantic. Cyclonic circulation becoming more marked over this country by evening, and some increase in force from the Southward occurring on our west and south coasts. Wind decreasing in force in the far north of our area.

Barometer in morning relatively low in a depression over the White Sea, and also in other systems lying respectively over the North Sea, and to the westward of Ireland. Above 30.0 ins. over a large area of irregular form, extending from the Azores to Russia, and thence across Scandinavia. Atlantic depression approaching the west of this country during day, and barometer in the south-west and west decreasing very decidedly. Pressure increasing steadily over the northern half of Russia and in Finland, and becoming highest in that region.

Friday, 26th August, 1910.

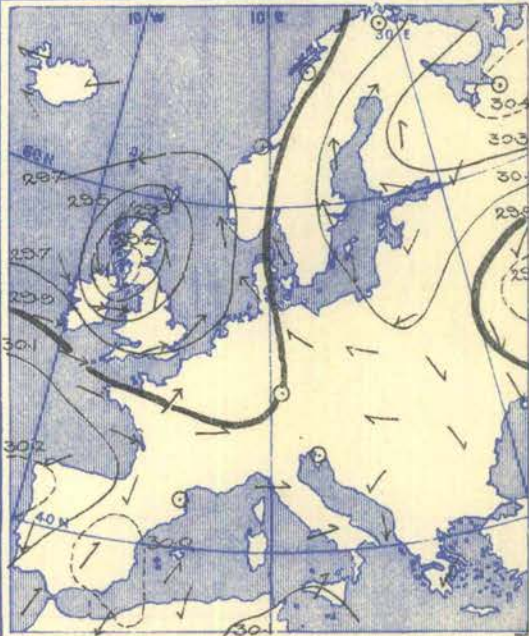
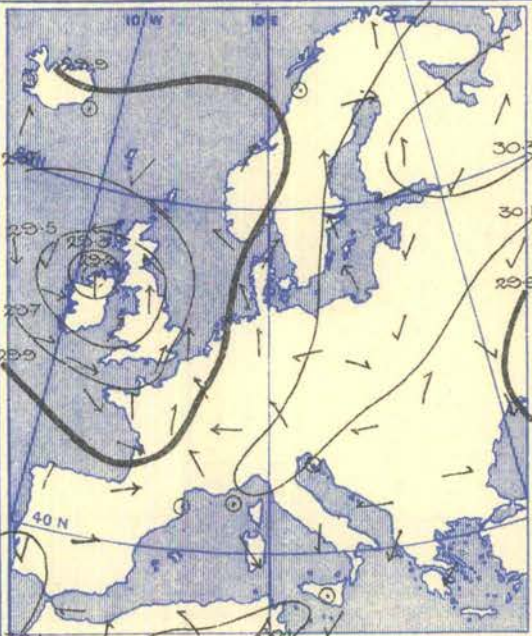
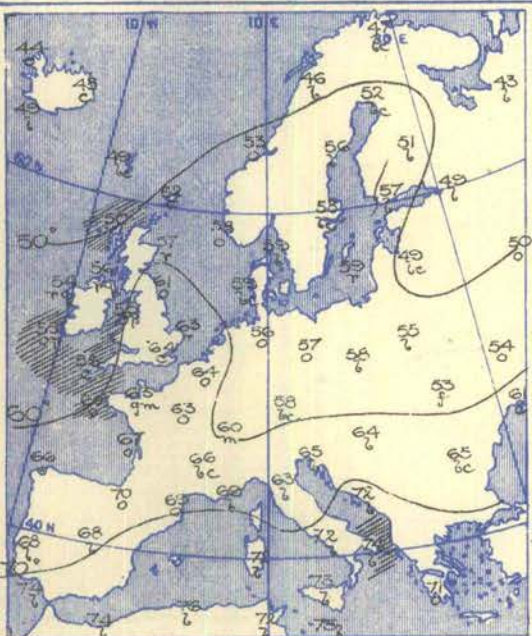
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning unsettled and showery over these Islands, with squalls in many localities. Fair to fine and bright over the major portion of the Continent. Rain or showers later over the United Kingdom and the nearer regions of the Continent, and also in Switzerland and central Russia. Measurements heavy in some parts of Scotland, and very heavy in the Hebrides; 1.2 in. at Castlebay, and 2.8 ins. at Stornoway. More than an inch at Geneva, and nearly an inch at Moscow.

Temperature risen over Great Britain and Scandinavia. Morning readings ranging from above 75° at various stations in the Mediterranean region, and above 60° over England, to 50° or below over a large area in the north of Europe. Maxima during day below 70° at almost all our own stations, and below 60° at some in the west and north. Thermometer rising to above 70° in central Europe, to about 80° in southern Europe and the south of France, and to nearly 90° in places.

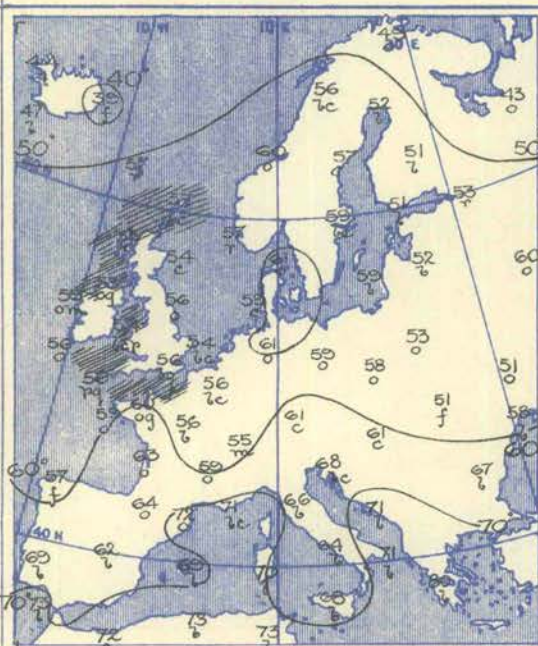
Wind in morning showing a well-marked cyclonic movement over these Islands and their neighbourhood, the force varying from a light breeze to a high wind. Light and rather variable winds prevailing over the major part of the Continent. Increasing in force later on most parts of our coasts, and reaching a gale in places. Little change over the Continental portion of our area, but increasing to a strong breeze from South-West and West along the north coast of France.

Barometer in morning as low as 29.2 ins. in a depression centred off the north of Ireland; above 30.3 ins. in the north of Russia, and relatively high in a band extending thence to the north of Italy. Depression moving slowly in an easterly direction later, its centre at 6.0 p.m., being over the south-west of Scotland. A brisk rise of the barometer in its rear causing a great increase in the gradient over Ireland and the west and south-west of England. Gradient becoming steeper off the north of Scotland also.

Saturday, 27th August, 1910.

Temperature and Weather.

7 a.m.

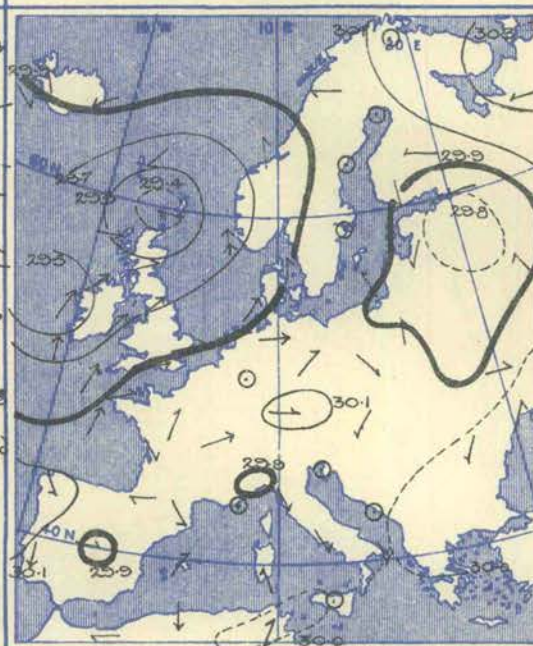


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over the major portion of our area, but unsettled, with rain or passing showers in places over this country and the regions immediately surrounding. Rain also falling at Prague and St. Petersburg. Rain falling later over the major portion of these Islands; as much as 0.7 in. at Valencia and 1.4 in. at Sicily. Some rain experienced in various parts of northern and central Europe.

Temperature fallen over Great Britain and the nearer parts of the Continent. Morning readings ranging from 80° at Patras and above 70° at most stations in the south of our area to about or slightly below 60° over central Europe and the Baltic, and to below 45° on the shores of the White Sea. Maxima during day below 65° in almost all parts of these Islands and in the north of France, and below 70° at nearly all the German stations, but above 80° at many places in southern Europe, and above 90° in Algeria and the south of Spain.

Wind in morning showing a well-marked cyclonic circulation over our Islands and their vicinity, the Westerly current being strong over Ireland and England, and the North-Westerly current strong in the Hebrides. A fresh to high Southerly to South-Easterly wind prevailing in the south of Norway and north of Denmark. Continuing very strong to high over this country and its immediate vicinity throughout the day, and increasing to a gale from the Southward at Skudenes. Backing to the Southward in Ireland by evening.

Barometer in morning below 29.3 ins. in a depression having its centre over the Moray Firth, and below 29.0 ins. in a shallow system over Little Russia. Above 30.1 ins. in a high pressure system extending from the Atlantic to the east of France, and above 30.4 ins. in the far north of Russia. Northern depression travelling further to the northward during day, but another system on the Atlantic causing a very brisk decrease of pressure in Ireland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. August 21st, 10.0 a.m. to 12.50 p.m.	Brighton, 115 m.	{ Temperature .. 280° 5'	280° 5'	286° 0'	283° 0'	280° 5'				Metres.	{ Overcast. Light Fr.-Cu. and Alt.-Cu. Lowest clouds about 500 m. above sea.
			{ Humidity .. 100%	100%	100%	100%	85%					
			{ Wind .. 260°, 12	240°, 17	250°, 15.7	260°, 20						
2	August 25th, 10.0 a.m. to 12.20 p.m.	Brighton, 115 m.	{ Temperature .. 288° 3'	285° 5'	284° 0'	282° 0'					{	{ Overcast Nb. Lowest clouds 274 m. above sea. Wind direction above cloud level, by wire.
			{ Humidity .. 100%	100%	100%	90%						
			{ Wind .. 200°, 5.0 to 7.6	200°, 12.5	240°, 12	245°, 13.0						
3	August 26th, 2.33 p.m. to 3.25 p.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature .. 292°	290°	287°	284°					{ 1,050	{ A few clouds, not reached. Very gusty wind.
			{ Humidity .. 70%	70%	80%	90%						
			{ Wind .. 250°, 12	250°, 16	240°, 17	250°, 18						
4	August 26th,	Petersfield, Ditcham Park, 122 m.	{ Temperature .. 291°	286°	283°	280°					{ 1,080	{ Bright sunshine; wind West.
			{ Humidity .. 65%	84%	90%	74%						
			{ Wind .. 270°, 11	270°, 13	270°, 13	270°, 14						
5	August 27th, 9.44 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature .. 288°	286°	282° 5'	280° 5'					{ 1,050	{ A few clouds, not reached.
			{ Humidity .. 70%	70%	80%	90%						
			{ Wind .. 260°, 11	270°, 12	270°, 14	270°, 16						
6	August 27th,	Petersfield, Ditcham Park, 122 m.	{ Temperature .. 289°	286°	282°	280°					{ 1,270	{ Cloudy and breezy. Sun gradually penetrating clouds.
			{ Humidity .. 69%	73%	90%	81%						
			{ Wind .. 270°, 8	270°, 10	270°, 11	270°, 11						

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4	5	6
No. of Kites ..	1	1	1	1	1	1
Area of Surface (sq. metres) ..	4.5	7	4	5	4	7
Length of Wire (metres) ..	2,300	1,500	1,200	2,500	1,200	2,500

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 281

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.4; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 35. THIRTY-FIFTH WEEK, SUNDAY, AUGUST 28TH, TO SATURDAY, SEPTEMBER 3RD, 1910. [Price 6d.
Vol. XXVII. (New Series.) } Annual Subscription
post paid £1 10s. 0d.

I.—General Remarks.

Weather continued unsettled and rainy in all districts during the earlier half of the week, but subsequently improved greatly in England and Ireland and for a time in Scotland also. Thunderstorms were experienced in many parts of Britain on August 29th, and in a few places locally on the 30th and 31st. Snow is reported to have fallen at Raunds at 4 p.m. on the 28th.

Temperature was below the average except in Scotland N. and in Ireland, but the difference from the normal was small. The highest of the maxima were recorded on rather irregular dates, and ranged from 72° in England S.E. and the Midland Counties, and 70° in England E. and Ireland S. to 64° in Scotland W. The lowest of the minima, which were generally registered on September 1st in the north and earlier in the week elsewhere, varied from 35° in Scotland N. and E. to 48° in England S.E., and 51° in the English Channel. The lowest grass readings were 30° at Balmoral, 31° at Crathes, 32° at Newton Rigg, and 34° at Sheffield.

Mean Temperature of the Sea.—The warmth of the water differed little from that of the corresponding week of last year on the coasts generally. The means for the week ranged from 62° at Eastbourne, Margate and the Shipwash, and 61° at Newquay to 53° at Burnmouth and Pennan Bay.

Rainfall was less than the average in Ireland, the English Channel, and England E., but more elsewhere, the excess being large in most districts. Falls of more than an inch occurred at a large number of stations in Britain on August 28th, the highest figures being 2.1 ins. at Dumfries and Cally (Gatehouse), 2.0 ins. at Bristol, 1.9 in. at Clifton, 1.7 in. at Newton Rigg, 1.6 in. at Bath, and 1.5 in. at Crieff and Crathes.

Bright Sunshine was less than the normal in all districts except England N.E. The percentage of the possible duration ranged from 38 in England E., 37 in England S.E., 36 in England N.E., and 35 in the English Channel to 22 in Scotland N. and W., and 20 in Ireland N.

Barometer and Wind.—A depression that appeared off the West of Ireland at the beginning of the week travelled very slowly over the west and north of these Islands, and did not pass away from our area until Thursday. Moderate to very strong or high winds were experienced over the greater part of England and Ireland, and on Monday there was a strong to high Easterly wind in the North of Scotland. As the cyclonic centre passed away to the northward of Scotland the high pressure system over the Bay region extended towards these Islands. This movement was, however, checked on Friday by the arrival of a rather large depression which moved eastward between Iceland and Scotland. At the end of the period pressure was increasing again, and the northern depression and a secondary that had developed over the North Sea were travelling away in an easterly direction, while the wind over these Islands was light or moderate from the North-Westward.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 284.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	{ Warmth ... Rainfall ... Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
		Heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Heavy	Heavy	Heavy	Light	Light	Moderate	
		Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

SUMMER, 13 weeks from June 5th, 1910.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

PAST SEASONS.

SUMMER, 1909. June 6th–Sept. 4th. 13 weeks.	Warmth ...	1 * 7	1 * 8	2 * 7	2 * 9	2 * 7	2 * 10	1 * 7	1 * 8	2 * 7	1 * 5	1 * 4	2 * 8
	Rainfall ...	3 * 5	2 * 6	5 * 6	5 * 3	4 * 4	5 * 5	4 * 4	5 * 4	4 * 6	1 * 5	1 * 9	2 * 7
	Sunshine ...	5 * 3	4 * 3	1 * 7	3 * 6	3 * 6	4 * 7	2 * 4	3 * 6	4 * 5	3 * 5	4 * 5	4 * 4
AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7

282 II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

THIRTY-FIFTH WEEK—August 28th to September 3rd, 1910.																	
DISTRICTS. (See Frontispiece map.)		Temperature.								Rainfall.				Sunshine.			
		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
		Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)						
								Day-deg.	Day-deg.	Day-deg.	Day-deg.	Inches.	Inches.			%	%
0. SCOTLAND, NORTH		68	35	59.5	49.3	54.1	+ 0.4	85	+ 3	0	0	5	0	1.52	+ 0.41	22	- 3
Eastern																	
1. SCOTLAND, EAST		65	35	60.7	48.4	54.2	- 0.6	85	- 5	0	0	5	0	1.27	+ 0.56	25	- 7
2. ENGLAND, N.E.		69	41	64.0	49.6	56.4	- 0.3	101	- 2	0	0	4	0	0.73	+ 0.09	35	+ 1
3. ENGLAND, EAST		70	47	65.5	51.4	58.6	- 0.5	112	- 3	0	0	5	+ 1	0.41	- 0.13	37	- 2
4. MIDLAND COUNTIES		72	42	64.5	50.2	56.9	- 0.5	104	- 3	0	0	4	0	1.17	+ 0.53	29	- 5
5. ENGLAND, S.E.		72	48	65.3	53.0	58.8	- 0.8	118	- 5	0	0	3	- 1	0.77	+ 0.11	35	- 5
Western																	
6. SCOTLAND, WEST		64	40	59.4	50.0	54.4	- 1.1	87	- 7	0	0	5	0	1.96	+ 0.82	21	- 10
7. ENGLAND, N.W.		68	41	61.2	50.9	55.8	- 1.2	97	- 8	0	0	6	+ 1	1.29	+ 0.40	22	- 9
8. ENGLAND, S.W.		69	45	62.9	53.2	57.8	- 0.3	111	- 2	0	0	4	0	1.26	+ 0.37	27	- 11
9. IRELAND, NORTH		66	45	61.4	51.0	55.9	+ 0.3	97	+ 1	0	0	4	- 1	0.48	- 0.47	20	- 8
10. IRELAND, SOUTH		70	44	63.3	52.6	57.6	+ 0.5	109	+ 3	0	0	5	+ 1	0.48	- 0.41	24	- 7
11. ENGLISH CHANNEL		66	51	63.7	56.1	59.7	- 1.0	124	- 7	0	0	4	- 1	0.50	- 0.16	33	- 13
THE SEASON (Summer).—Aggregates, &c., for the Period of 13 Weeks, June 5th to September 3rd, 1910.																	
0. SCOTLAND, NORTH		82	34	*	*	*	*	1153	+ 47	0	- 2	51	- 5	10.29	- 0.28	394	+ 4
Eastern																	
1. SCOTLAND, EAST		80	30	*	*	*	*	1170	- 63	0	- 1	53	+ 4	10.14	+ 1.83	432	- 52
2. ENGLAND, N.E.		81	37	*	*	*	*	1390	- 8	0	0	47	+ 4	7.27	+ 0.29	454	- 79
3. ENGLAND, EAST		83	39	*	*	*	*	1535	- 34	0	0	49	+ 8	6.81	+ 0.22	479	- 113
4. MIDLAND COUNTIES		83	40	*	*	*	*	1480	- 37	0	0	46	+ 5	8.74 †	+ 1.69	449	- 83
5. ENGLAND, S.E.		81	39	*	*	*	*	1500	- 92	0	0	44	+ 5	7.40	+ 0.90	488	- 125
Western																	
6. SCOTLAND, WEST		81	37	*	*	*	*	1344	+ 33	0	0	50	- 1	13.71	+ 2.68	503	- 6
7. ENGLAND, N.W.		81	38	*	*	*	*	1422	- 21	0	0	50	+ 3	11.06 §	+ 2.14	514	- 12
8. ENGLAND, S.W.		81	34	*	*	*	*	1452	- 75	0	0	49	+ 4	11.34	+ 2.77	503	- 78
9. IRELAND, NORTH		79	37	*	*	*	*	1325	- 2	0	0	57	0	12.58	+ 2.68	456	+ 26
10. IRELAND, SOUTH		79	41	*	*	*	*	1453	- 14	0	0	60	+ 11	11.91	+ 2.25	474	- 12
11. ENGLISH CHANNEL		79	47	*	*	*	*	1502	- 75	0	0	42	+ 2	8.06	+ 1.30	578	- 135
THE YEAR.—Aggregates, &c., for the Period of 35 Weeks, January 2nd to September 3rd, 1910.																	
0. SCOTLAND, NORTH		82	2	*	*	*	*	1606	+ 52	595	+ 38	163	+ 3	34.90	+ 3.49	934	+ 50
Eastern																	
1. SCOTLAND, EAST		80	-10	*	*	*	*	1682	- 88	636	+ 16	144	+ 11	22.72	+ 3.15	1028	- 24
2. ENGLAND, N.E.		81	6	*	*	*	*	2028	+ 78	454	- 21	134	+ 14	16.76	+ 1.30	1053	- 81
3. ENGLAND, EAST		83	17	*	*	*	*	2301	+ 41	303	- 128	135	+ 19	17.12	+ 2.21	1178	- 49
4. MIDLAND COUNTIES		83	10	*	*	*	*	2235	- 1	474	- 59	135	+ 20	18.88 †	+ 2.12	1073	- 26
5. ENGLAND, S.E.		81	13	*	*	*	*	2361	- 58	294	- 87	134	+ 24	19.15	+ 3.04	1191	- 53
Western																	
6. SCOTLAND, WEST		81	0	*	*	*	*	1962	+ 59	432	+ 7	152	+ 12	33.18	+ 4.33	1077	- 5
7. ENGLAND, N.W.		81	7	*	*	*	*	2082	+ 15	338	- 48	154	+ 26	26.59 §	+ 5.38	1142	+ 45
8. ENGLAND, S.W.		81	8	*	*	*	*	2224	- 68	242	- 59	145	+ 20	27.22	+ 4.57	1198	- 20
9. IRELAND, NORTH		79	7	*	*	*	*	1978	- 9	351	+ 6	168	+ 16	29.29	+ 5.43	995	+ 4
10. IRELAND, SOUTH		79	18	*	*	*	*	2271	- 15	258	- 1	171	+ 36	30.40	+ 5.22	1069	- 39
11. ENGLISH CHANNEL		79	28	*	*	*	*	2525	- 61	54	- 55	142	+ 9	22.47	+ 3.79	1349	- 128

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† The corresponding value for Nos. 31-34 altered, owing to the receipt of further information.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

§ The corresponding value for No. 33 altered, owing to the receipt of further information.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.						Rainfall.			Bright Sunshine.				NAMES OF STATIONS.			
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.		Percentage of possible duration.	Difference from Average.	
						Of Highest each day.	Of Lowest each day.	For whole of each day.											Above 42°	Below 42°
0. SCOTLAND, N.	a, Islands.	p Baltasound	30th	44	2nd	57.9	50.9	54.2	0	0.49	—	26.2	—	26	—	—	—	Baltasound.	
		a Sumburgh Head	29th	44	2nd	61.0	50.0	55.2	0	0.55	— 0.17	21.1	— 5.2	21	— 5	—	—	Deerness.	
		a Stornoway	30th, 1st	48	30th	58.4	50.3	54.1	0	1.51	+ 0.54	30.8	+ 2.0	31	+ 2	—	—	Stornoway.	
		a Castlebay, Barra Isd.	1st	52	28, 29, 30th	56.9	52.6	54.6	0	1.36	—	18.7	—	19	—	—	—	Castlebay.	
		a Wick	31st	44	2nd	58.0	49.3	53.4	0	1.13	+ 0.50	—	—	—	—	—	—	Strathpeffer.	
		p Strathpeffer	30th, 1st	47	1st	58.9	49.9	54.1	0	1.62	+ 1.03	16.9	— 10.3	17	— 10	—	—	Strathpeffer.	
1. SCOTLAND, E.	b, Main-land.	p Glencarron	28th	47	2nd	59.1	48.7	53.6	0	0.81	—	2.26	+ 0.48	—	—	—	—	Fort Augustus.	
		p Fort Augustus	1st	43	1st	60.7	49.0	54.5	0	0.91	+ 0.06	17.1	— 3.2	17	— 3	—	—	Fort Augustus.	
		p Fort William	31, 1, 3rd	35	2nd	60.4	47.8	53.7	0	2.67	+ 1.17	—	—	—	—	—	—	Fort William.	
		p Gordon Castle	29th	42	2nd	60.4	48.2	53.9	0	1.26	+ 0.60	15.7	—	15	—	—	—	Gordon Castle.	
		a Nairn	29th, 30th	43	2nd	61.7	48.7	54.8	0	0.65	+ 0.11	14.9	—	15	—	—	—	Nairn.	
		a Aberdeen	1st, 2nd	46	1st, 2nd	61.4	51.0	55.9	0	1.22	+ 0.61	21.8	— 10.5	22	— 11	—	—	Aberdeen.	
2. ENGLAND, N.E.	a, North.	a Balmoral	2nd	35	1st	58.9	44.9	51.5	0	1.89	+ 1.13	20.3	—	21	—	—	—	Crathes S.	
		p Crieff	2nd	45	1st	61.0	48.6	54.4	0	2.10	+ 1.22	29.1	—	30	—	—	—	Balruidery.	
		a Leith	31st, 2nd	48	30th	62.7	50.9	56.5	0	0.88	+ 0.32	—	—	—	—	—	—	Edinburgh.	
		a West Linton	31st, 1st	41	1st	58.5	46.2	52.0	0	1.12	—	35.8	—	36	—	—	—	West Linton.	
		p Marchmont	1st	45	1st	60.9	48.3	54.2	0	1.07	+ 0.35	38.0	+ 6.8	39	+ 7	—	—	Marchmont.	
		a Alnwick Castle	1st	47	1st	62.7	49.9	55.9	0	1.73	+ 1.08	37.1	—	38	—	—	—	Cockle Park.	
3. ENGLAND, E.	b, South.	a Shields	31st, 3rd	44	1st	63.0	47.9	55.0	0	0.95	+ 0.40	27.1	— 0.2	28	0	—	—	Newcastle.	
		p Durham	1st	44	1st	62.5	49.0	55.4	0	0.73	+ 0.21	30.8	— 0.4	32	0	—	—	Durham.	
		p Rounton	1st	41	1st	62.9	47.5	54.7	0	0.70	+ 0.18	—	—	—	—	—	—	Scarborough.	
		p Scarborough	31st	47	3rd	65.1	50.3	57.3	0	0.59	+ 0.04	39.9	—	41	—	—	—	York.	
		p York	31, 1, 3rd	45	1st	65.4	50.3	57.4	0	0.61	+ 0.08	31.2	— 0.4	32	0	—	—	York.	
		a Spurn Head	30th	50	29th	63.7	51.9	57.5	0	0.31	— 0.11	—	—	—	—	—	—	Skewness.	
4. MIDLAND COUNTIES.	a, East.	a Lincoln	2nd	46	3rd	65.5	49.7	57.1	0	0.36	— 0.14	35.4	—	37	—	—	—	Raueby.	
		a Fulbeck	1st	46	1st	65.1	49.6	56.9	0	0.58	+ 0.08	32.6	—	34	—	—	—	Lowestoft.	
		p Cromer	29th	48	28th, 29th	64.7	50.9	57.4	0	0.47	—	35.0	—	37	—	—	—	Cromer.	
		p Hillington	29, 30, 1, 3	47	29th	66.4	50.1	57.8	0	0.36	— 0.24	30.3	— 7.1	32	— 7	—	—	Hillington.	
		a Yarmouth	30th	50	3rd	64.4	51.7	57.7	0	0.63	+ 0.12	42.8	—	45	—	—	—	Yarmouth.	
		a Norwich	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
5. ENGLAND, S.E.	b, South.	p Geldeston	30th	49	28, 29, 3rd	65.9	51.3	58.2	0	0.59	+ 0.10	36.6	— 4.0	38	— 4	—	—	Geldeston.	
		p Cambridge	2nd	48	29th, 3rd	65.9	50.1	57.5	0	0.30	+ 0.19	38.0	— 1.7	40	— 2	—	—	Cambridge.	
		a Felixstowe	30, 1, 3rd	49	3rd	65.3	53.1	58.8	0	0.32	—	41.0	—	43	—	—	—	Felixstowe.	
		a Clacton-on-Sea	30, 31, 1, 2	50	3rd	65.3	53.6	59.1	0	0.35	—	38.2	—	40	—	—	—	Clacton.	
		a Rothamsted	2nd	48	29th	64.5	49.9	56.8	0	0.44	+ 0.12	36.2	— 3.0	38	— 3	—	—	Rothamsted.	
		a Shoeburyness	31, 1, 2nd	50	3rd	66.3	52.9	59.2	0	0.44	+ 0.04	35.5	—	38	—	—	—	Southend.	
6. LONDON	a, East.	p Tottenham	2nd	51	29th	67.2	53.3	59.8	0	0.17	—	37.5	—	40	—	—	—	Tottenham.	
		a Harrogate	3rd	44	1st, 3rd	61.4	48.3	54.5	0	1.00	+ 0.42	28.2	—	29	—	—	—	Harrogate.	
		a Bawtry	1st	45	2nd, 3rd	67.0	47.9	56.9	0	0.31	+ 0.18	26.5	— 4.5	28	— 5	—	—	Workshop.	
		p Buxton	28th, 1st	42	3rd	59.2	46.8	52.6	0	0.75	+ 0.78	20.8	—	22	—	—	—	Buxton.	
		a Nottingham	2nd	47	3rd	64.3	50.1	56.8	0	0.38	+ 0.14	24.6	—	26	—	—	—	Nottingham.	
		p Birmingham, Edgbn	2nd	49	29th, 3rd	63.8	51.0	57.0	0	1.70	+ 1.13	23.3	—	24	—	—	—	Birmingham.	
7. ENGLAND, S.W.	b, West.	a Raunds	2nd	45	3rd	67.3	48.8	57.5	0	0.59	—	—	—	—	—	—	—	—	
		a Oxford	2nd	49	29th	65.0	51.4	57.8	0	0.76	+ 0.28	36.2	— 2.6	38	— 3	—	—	Oxford.	
		a Chisle	2nd	42	1st	61.3	49.3	54.9	0	0.70	+ 1.32	30.6	—	32	—	—	—	Sheffield.	
		p Shrewsbury	2nd	48	29th, 3rd	64.5	51.2	57.5	0	0.73	—	—	—	—	—	—	—	—	
		a Hereford	2nd	49	29th, 1st	65.3	51.5	58.0	0	1.32	+ 0.79	—	—	—	—	—	—	—	
		a Cirencester	2nd	47	29th, 31st	64.7	49.4	56.6	0	1.09	+ 0.45	29.6	— 8.2	31	— 9	—	—	Cirencester.	
8. ENGLAND, N.W.	a, East.	a Bath	2nd	51	29th, 31st	65.4	53.1	58.9	0	2.38	+ 2.38	29.7	—	32	—	—	—	Bath.	
		p Kew	2nd	49	29th	65.6	52.2	58.5	0	0.33	+ 0.19	34.6	— 4.6	36	— 5	—	—	Ramsgate.	
		a Marlborough	2nd	48	31st	63.9	51.1	57.1	0	1.59	+ 1.00	27.5	— 9.7	29	— 10	—	—	Marlborough.	
		a Margate	28th, 30th	51	29th	65.0	53.2	58.8	0	0.55	+ 0.10	33.6	— 6.2	35	— 7	—	—	Margate.	
		a Wisley, Surrey	71	2nd	49	29th	66.1	52.0	58.6	0	0.71	—	35.8	—	38	—	—	—	Wisley.
		a Swaraton	70	2nd	49	29th	64.4	51.5	57.6	0	1.09	+ 0.49	39.1	—	41	—	—	—	Worthing.
9. IRELAND, N.	b, West.	a Tunbridge Wells	66	1st, 2nd	49	29th, 31st	64.1	50.8	57.1	0	1.32	+ 0.70	36.3	— 5.1	38	— 5	—	—	Tunbridge Wells.
		a Dungeness	68	1st	52	31st, 2nd	65.9	55.0	60.1	0	0.41	+ 0.05	37.7	—	40	—	—	—	Littlestone.
		p Hastings	68	1st	50	31st	64.9	54.3	59.3	0	0.58	+ 0.03	40.4	— 4.1	43	— 4	—	—	Hastings.
		p Southampton	72	1st, 2nd	51	29th, 31st	67.2	53.7	60.1	0	0.80	+ 0.23	33.3	— 10.2	35	— 11	—	—	Southampton.
		a Ventnor	70	2nd	53	31st	65.9	56.3	60.8	0	0.36	+ 0.17	31.0	— 13.9	33	— 15	—	—	Ventnor.
		p Eastbourne	—	—	—	—	—	—	—	—	—	41.7	— 1.7	44	— 2	—	—	Eastbourne.	
10. IRELAND, S.	a, East.	a Westminster	69	2nd	50	29th	66.1	53.0	59.2	0	0.22	+ 0.28	35.0	+ 0.3	37	0	—	—	Westminster.
		a Greenwich	70	2nd	49	29th	67.4	51.3	58.9	0	0.41	+ 0.05	38.6	— 4.0	41	— 4	—	—	Greenwich.
		a Porthalloch	62	1st	52	29th, 1st	58.9	53.6	56.1	0	1.53	—	—	—	—	—	—	—	Glasgow.
		p Glasgow	61	31st	48	1st	58.7	50.9	54.6	0	2.24	+ 1.38	19.0	— 8.4	19	— 9	—	—	Glasgow.
		p Rothesay	64	31st	47	1st	59.9	49.6	54.4	0	2.10	+ 1.02							

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	54.5	—	Harrogate	0	36	55.6	55.5	6. Dumfries	0	38	56.9	58.1
1. Aberdeen	0	31	57.1	55.5	Huddersfield	0	39	57.4	55.9	Douglas	0	43	—	—
Crathes	1	30	—	—	Buxton	0	38	55.7	54.2	Aspatia	0	36	56.5	55.6
Balmoral	0	35	—	—	Sheffield	0	34	57.0	55.9	Newton Rigg	0	32	56.4	55.9
West Linton	0	41	55.4	—	Nottingham	0	41	57.9	58.2	Burnley	0	35	55.2	54.9
Marchmont	0	37	53.8	54.6	Birmingham	0	44	54.4	53.2	Southport	0	43	58.8	59.4
Cockle Park	0	39	—	—	Oxford	0	42	—	—	Manchester City	0	43	57.3	58.6
Durham	0	39	—	—	Hereford	0	40	57.6	56.7	Bettws-y-Coed	0	45	56.0	55.3
York	0	43	57.4	56.4	Crencaster	0	40	60.8	60.4	Llangammarch Wells	0	37	56.6	55.9
Hull	0	41	59.3	57.5	Bath	0	48	60.0	58.8	Cardiff	0	42	58.7	58.1
Lincoln	0	46	61.3	60.2	Margate	0	43	—	—	Clifton	0	43	—	—
Rauceby	0	40	59.2	59.0	Greenwich	0	46	—	—	Plymouth	0	51	—	—
Norwich	0	44	59.8	59.4	Westminster	0	41	59.7	58.4	9. Armagh	0	38	58.7	57.7
Yarmouth	0	50	61.1	—	Kew	0	46	57.8	59.5	Markree	0	36	58.2	57.1
Lowestoft	0	46	61.3	60.2	Canterbury	0	41	60.5	—	10. Dublin, Trin. Coll. ..	0	40	58.5	57.6
Cambridge	0	40	59.2	59.0	Tunbridge Wells	0	43	59.5	59.4	11. Guernsey, Brooklyn	0	50	62.1	61.1
Clacton-on-Sea	0	44	59.8	59.4	Wisley	0	46	61.3	60.1					
Southend	0	50	61.1	—	Worthing	0	49	60.9	60.1					
Tottenham	0	45	—	59.9	Portsmouth	0	38	—	—					
					6. Glasgow	0	41	—	—					
					Rothsay	0	—	—	54.3					
					Colmonell	0	—	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	56	55	55.4	SCOTLAND, W.	Lamlash	56	53	54.3
	Kirkwall	55	54	54.7		Ballantrae	57	56	56.4
	Wick	55	53	54.0	ENGLAND, N.W.	Port Erin	58	57	57.0
SCOTLAND, E.	Cromarty	56	55	55.5		Newquay	62	60	61.4
	Pennan Bay	55	50	52.5	ENGLAND, S.W.	Scilly	60	56	57.7
	Aberdeen, Cove Bay	55	50	52.5		Plymouth†	61	60	60.1
ENGLAND, N.E.	Burnmouth, Berwick	54	53	53.5		Salcombe	60	57	57.8
	Scarborough	59	51	55.0	IRELAND, N.W.	Sheephaven	59	59	59.0
ENGLAND, E.	Shipwash Lightship	62	61	61.5		Teelin	61	55	57.7
ENGLAND, S.E.	Margate	62	62	62.0	IRELAND, S.W.	Cleggan	58	56	56.6
	Eastbourne†	63	62	62.5	IRELAND, E.	Seafield	60	56	58.4

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\longrightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

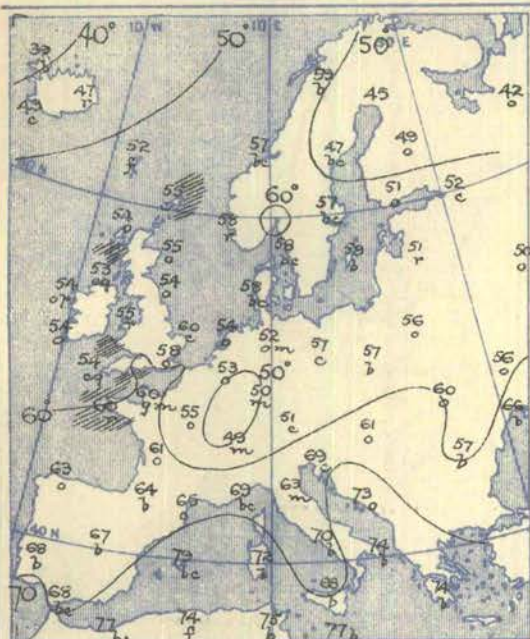
The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Temperature and Weather.

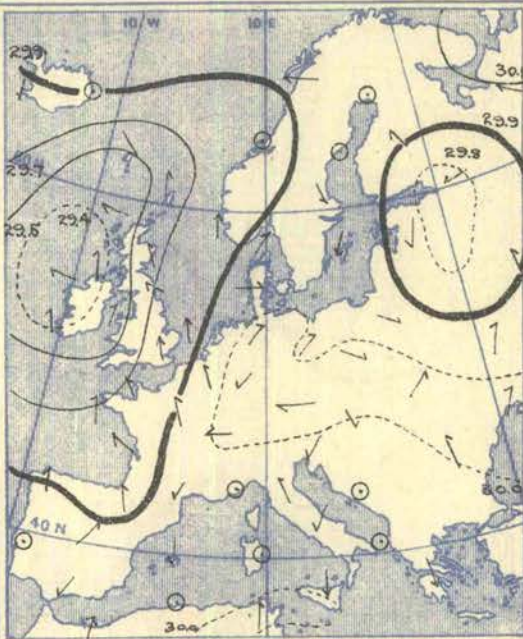
7 a.m.



Temperature showing little change. Morning readings ranging from between 70° and 80° over nearly the whole of the Mediterranean region, to below 60° in most other districts, and to below 50° in the far north of the Continent. Rising later to 95° at San Fernando and Tunis, to nearly 90° at some other southern stations, and to about 80° over a wide area, but remaining below 70° over most of central Europe, and not reaching 65° at most of our own stations. Maxima below 60° at some places in the north and north-west of Britain.

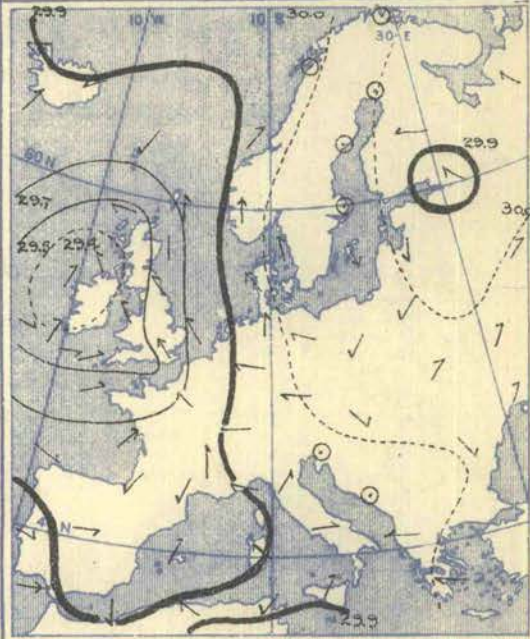
Barometer and Wind.

7 a.m.



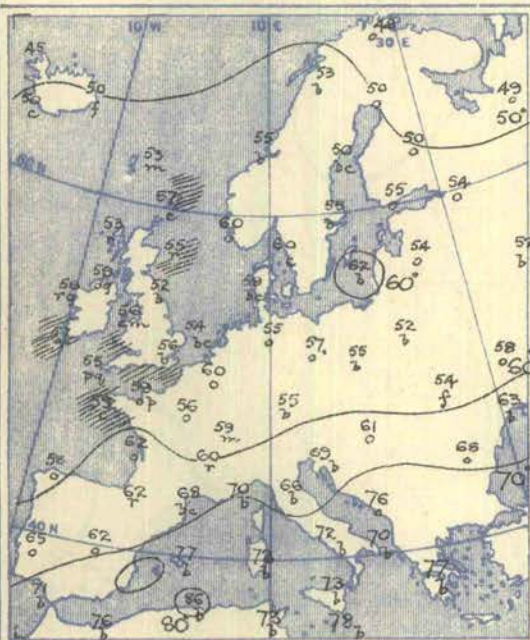
Barometer In morning below 29.4 ins. in a large depression centred off the west of Ireland, and below 29.3 ins. in a system or little gradient over Russia. Readings relatively high and very uniform over the intervening regions. Western depression extending eastward later, and a small secondary appearing in the south-west of England. Russian disturbance undergoing little modification.

6 p.m.



Temperature and Weather.

7 a.m.



Temperature rather low over these Islands; only 50° at Liverpool, and below 55° in many places. Thermometer above 80° at several stations in the extreme south of our area, and nearly 90° on the coast of Algeria; below 60° over the major portion of Europe, and below 50° in the far north. Maxima during day very little above 60° in these Islands, but above 70° over most of central Europe, and above 80° over a large area in the south. Thermometer rising to about 90° in places, and to 99° at Algiers.

Barometer and Wind.

7 a.m.



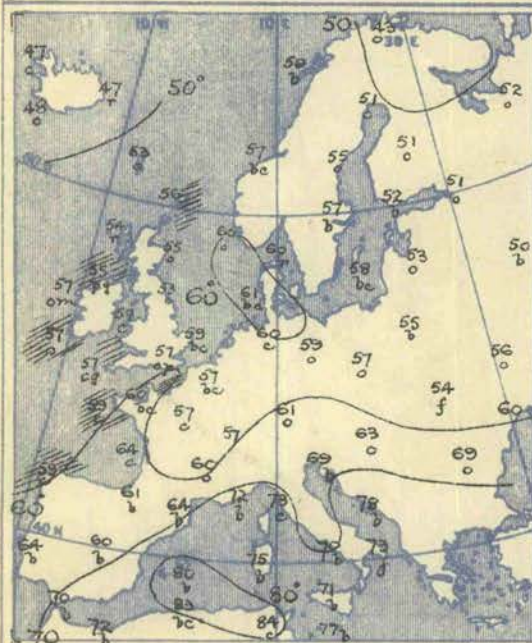
Barometer in morning below 29·4 ins. in a complex depression centred over the west and north of these Islands, and relatively low in shallow systems situated respectively over the Mediterranean and northern Russia. Above 30·1 ins. over the Gulf of Bothnia and the Baltic, and also on the Atlantic to the westward of Portugal. Pressure increasing steadily over northern Europe, and Russian depression dispersing. Disturbance over these Islands undergoing some modification in position and form, the chief minimum lying to the westward of the Hebrides by the evening.

6 p.m.

Tuesday, 30th August, 1910.

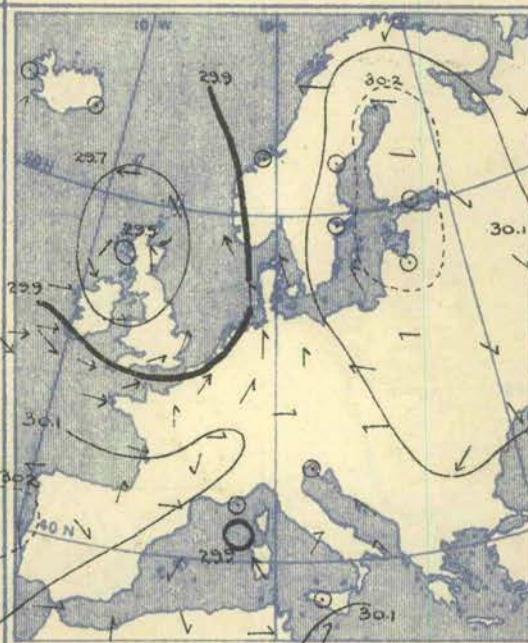
Temperature and Weather.

7 a.m.

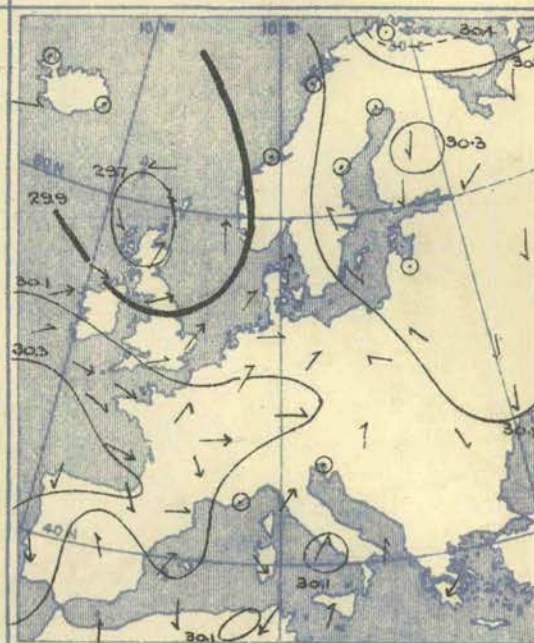


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast over these Islands, with showers at a few western stations. Fair to fine over the major portion of the Continent, but rainy at Belfort and Skagen. Rain, generally in small amounts, falling later over nearly the whole of this country, and thunder experienced at Spurn Head. Some rain in various parts of central and northern Europe and at some French stations, and a thunderstorm at Lyons.

Temperature fallen at some southern and eastern stations, but risen over the greater part of our area. Morning readings ranging from above 80° at some places in the far south, to slightly below 60° over a very large area, to below 55° at several of our own stations, and to below 45° in the extreme north of Norway. Thermometer rising to 108° at Tunis, 95° at Algiers, 91° at Brindisi, and to nearly 90° at a few other southern stations; remaining below 70° in most parts of Germany and in the north of France, and below 65° over most of the United Kingdom.

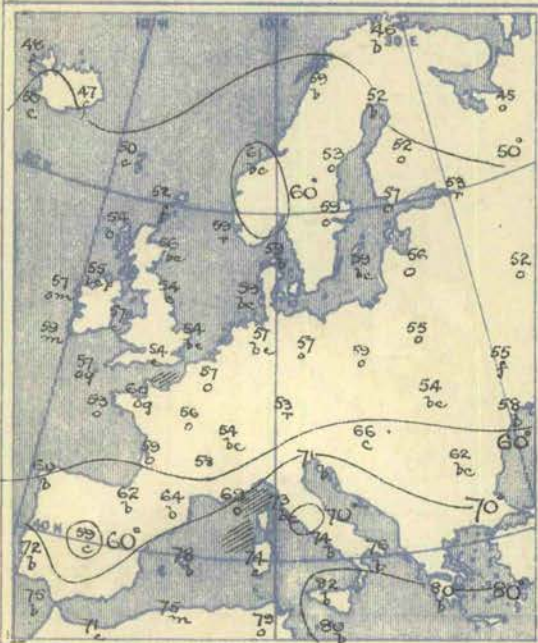
Wind in morning cyclonic over these Islands, and also over the greater part of the Mediterranean region; anticyclonic both in the north-east and south-west of our area. Generally light or moderate, but fresh or strong on our south-west and south coasts. No great change during day; continuing fresh to strong on our south and south-west coasts, and increasing in force on our west and north-west coasts also.

Barometer in morning above 30.2 ins. in Finland, and also in Portugal; below 29.9 ins. in a depression over Sardinia and Corsica, and below 29.6 ins. in a system covering Scotland. High pressure system over the Bay of Biscay extending northwards towards this country during day, and pressure increasing briskly over nearly the whole of these Islands. Scottish depression becoming less deep and travelling slowly northward.

Wednesday, 31st August, 1910.

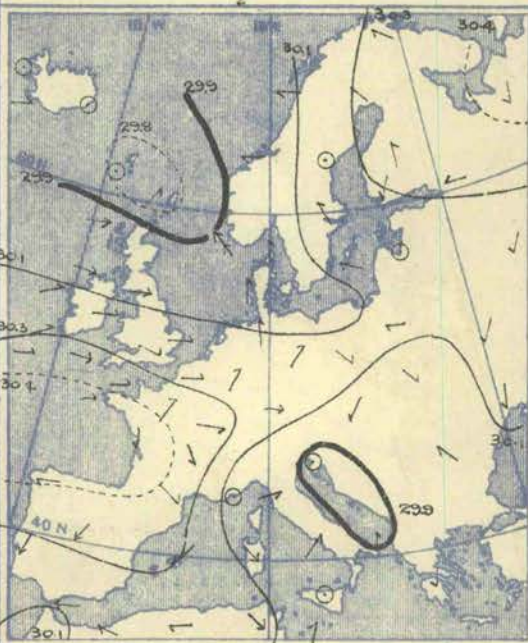
Temperature and Weather.

7 a.m.

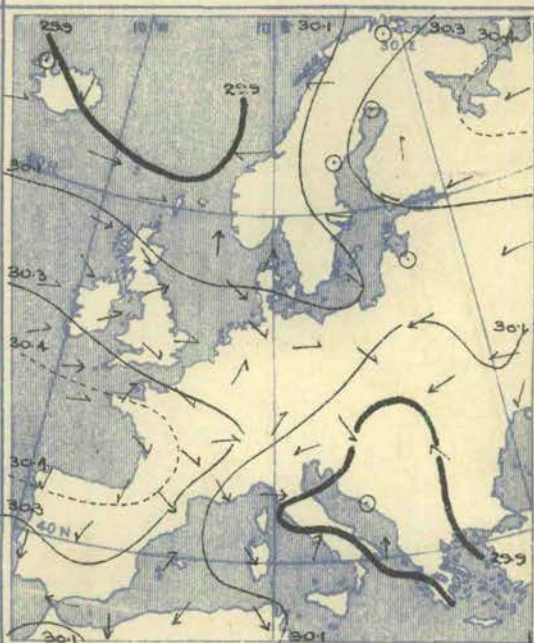


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast at most stations in these Islands and over considerable areas on the Continent, with rain or showers at a few of our western stations and at some in central Europe, as well as at Skudenes and St. Petersburg. Fine and bright over the greater portion of the Mediterranean region and in the north of Scandinavia. Heavy rain later over a large area in central Europe; more than an inch in places. About half an inch at Florence, and smaller amounts in some parts of northern Europe, and the north and west of these Islands.

Temperature showing no decided change. Morning readings ranging from 82° at Palermo, and 80° in Greece, to about 60° at many stations in central Europe and Scandinavia, to about 55° at many places in these Islands, and to about 45° at Archangel and Vardö. Thermometer rising to 70° or above during day in nearly all parts of France and central Europe, and to above 80° at many stations in the south; touching 91° at Palermo and Athens, 93° at Brindisi, and 113° at Biskra. Maxima below 65° over most of the United Kingdom.

Wind in morning light or moderate in force over the greater part of our area, but strong at some places on the shores of the Mediterranean, and blowing a gale from South-East at Skudenes. Mainly Westerly over these Islands. Not much change later; veering in some parts of these Islands, and increasing in force from the North-Westward on some shores of the Mediterranean. Gale subsiding at Skudenes.

Barometer in morning above 30.4 ins. in an anticyclone over the Bay of Biscay, and in another system over the far north of Russia; below 29.9 ins. in a depression over the Adriatic, and below 29.8 ins. in a depression of decreasing intensity off the north of Scotland. High pressure system in the south-west continuing to extend over the south and west of these Islands, and depression in the north travelling away northward. Russian anticyclone undergoing little change.

Thursday, 1st September, 1910.

Temperature and Weather.

7 a.m.

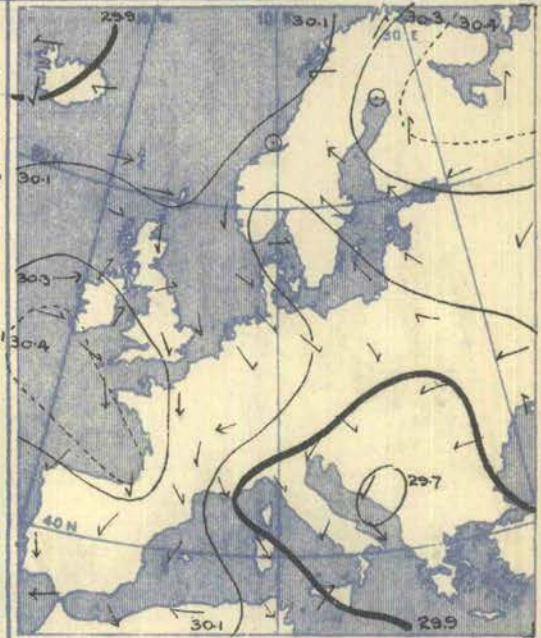


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over a considerable portion of the United Kingdom and in the south of Europe, but rain falling at Valencia, and much cloud prevalent in Ireland generally. Cloudy or overcast over the major portion of the Continent, and rainy in some parts of Austria and Poland, as well as at Christiansund. Rain later in the north and west of these Islands, and heavier amounts in many parts of Germany, Austria, Poland, Switzerland, and at some stations in Italy. Thunder and lightning occurring at Nice.

Temperature fallen in many regions. Morning readings ranging from about 80° at a few places in the far south, to a little below 60° over most of the European mainland, to about 60° in the north of England, and to about 45° in the region of the White Sea. Rising during day to 93° at Madrid, 91° at Lisbon, to nearly 90° at several other stations in the far south, and to 80° or above over a large area. Falling to touch 70° in Germany, and remaining below 65° over the major portion of the United Kingdom.

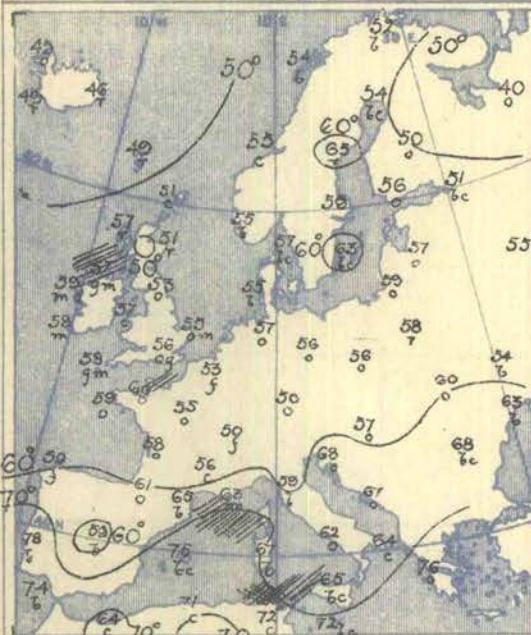
Wind in morning anticyclonic both in the south-west and north-east of our area, and cyclonic in the south and north-west. Light to moderate in force generally, but strong from East at San Fernando, and strong to high from the North-Westward or Westward on some shores of the Mediterranean. No change of importance during day.

Barometer in morning ranging from 30.4 ins. and above over the Bay of Biscay and also in the north of Russia, to below 29.8 ins. in a depression of decreasing intensity over the ocean between Norway and Iceland, and to below 29.8 ins. in a disturbance centred over the Adriatic. Pressure decreasing decidedly in Iceland during day, but little change elsewhere, and general distribution undergoing little modification. Changes slight and irregular in these Islands.

Friday, 2nd September, 1910.

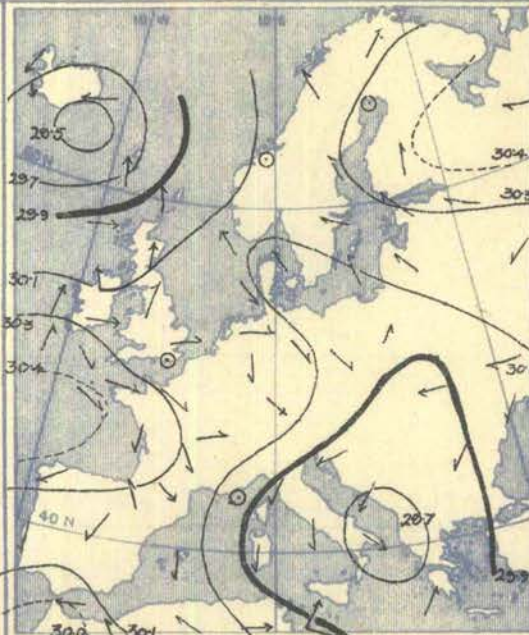
Temperature and Weather.

7 a.m.

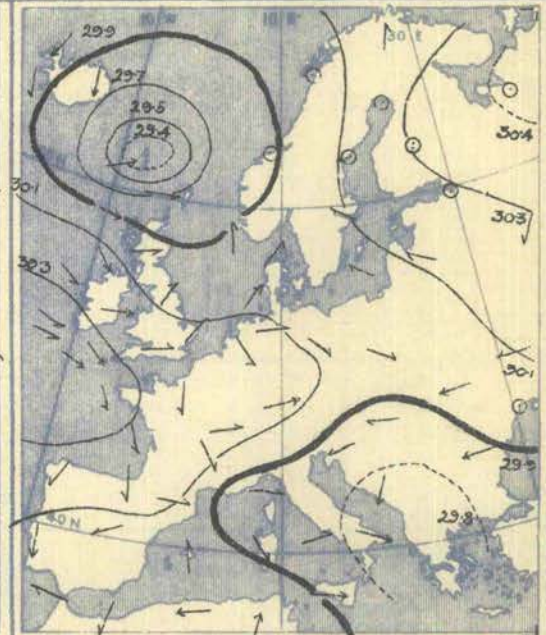


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy throughout the Icelandic region, Scotland, and also at Blacksod Point and at several stations in the northern and central countries of the Continent. Generally very fine and bright over the south of our area, as well as in the extreme north of Europe. Rather heavy rain later in the north-east of these Islands and in the west of Scotland, and slight amounts in various other parts of the Kingdom. Thunder occurring at Liverpool. Some rain falling over a large area on the Continent, largest measurements being 0.8 in. at Wisby and Vienna.

Temperature changed little and irregularly over our area as a whole. Morning readings ranging from about 75° over a large area in the south, to 60° or slightly lower in the south and west of these Islands and over the Baltic region, to 50° at Munich and Belfort, and to 40° at Archangel. Thermometer rising to 70° during day at many places in the south of England, to about 80° over a wide area in the south of Europe, and to above 85° in a few places. Maxima below 70° over the greater portion of central Europe, and only 59° at Cracow.

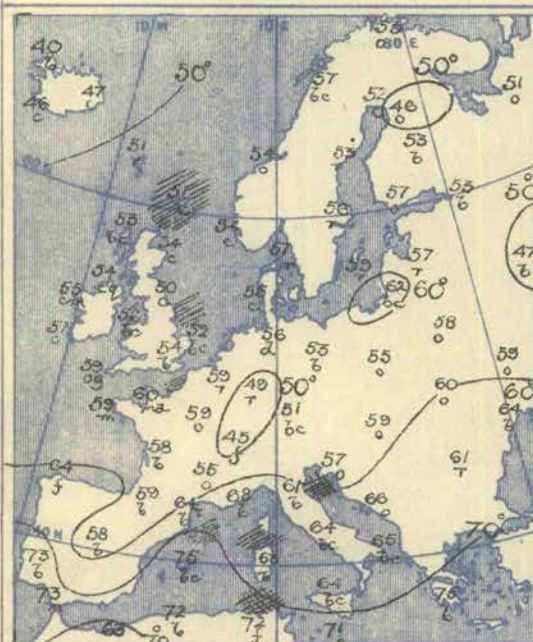
Wind in morning showing a cyclonic movement over the Icelandic region and also in the south-east of our area. Southerly current blowing a high wind at Malin Head, and a gale at Thorshavn, and Easterly to Northerly current fresh to high in Iceland. Strong or high winds from West and North-West prevailing in Tunis. Light anticyclonic airs general both in the south-west and north-east of our area. Increasing to a fresh to very strong breeze later over the north and north-west of this country; veering to the Westward at Thorshavn, but continuing strong to a gale.

Barometer in morning ranging from above 30.4 ins. over the Bay of Biscay and in the extreme north of Russia, to below 29.7 ins. in a depression over the Adriatic and in another having its minimum to the south of Iceland. Latter disturbance moving slowly eastward during day, and pressure recovering again briskly in Iceland and the Hebrides. Anticyclone beginning to extend towards our Islands again from the south-westward. An ill-defined secondary depression forming over the North Sea.

Saturday, 3rd September. 1910.

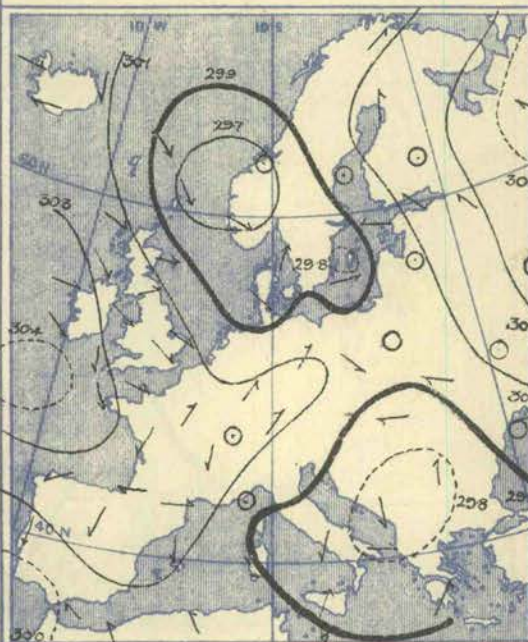
Temperature and Weather.

7 a.m.

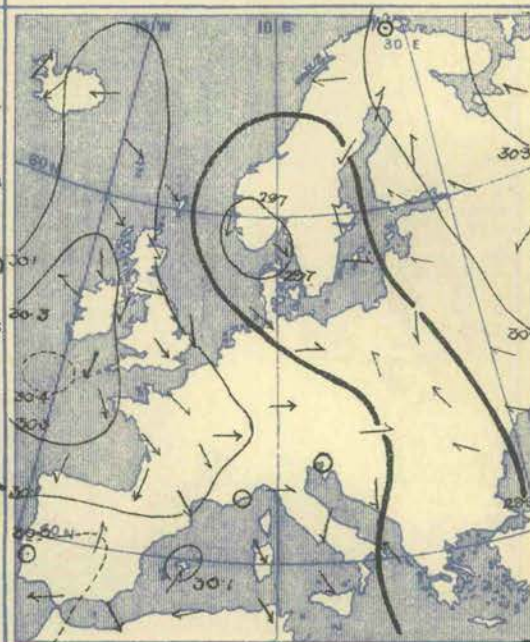


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy over some parts of Germany, Denmark, and Scandinavia, as well as at Brussels, Vienna, and Hermaustadt, and very cloudy to overcast in several other regions, but generally fair to bright in this country and southern Europe. A little rain later in Scotland and considerable falls in northern and central Europe, as well as at Brindisi and Palermo; about 1.3 in. at Hernösand and 0.8 in. at Cracow and Buda-Pesth.

Temperature fallen over the major portion of our area. Morning readings below 55° in most of the United Kingdom and Scandinavia, as well as in many parts of Germany and the east of France; above 75° at a few stations in the Mediterranean region. Maxima during day about 65° at several of our southern stations, but below 60° in most parts of Scotland and also at Liverpool. Thermometer rising to nearly 90° at some places in the extreme south and to above 70° over a very large area, but not ascending much above 60° in central Europe.

Wind in morning mainly North-Westerly over these Islands; light to moderate generally, but fresh to high in Scotland. Chiefly South-Easterly over Scandinavia and of little force. Strong from the North-Westward on some shores of the Mediterranean. Continuing fresh to high throughout the day in Scotland and increasing somewhat in force in England and over the North Sea; becoming strong from North and North-East in the south of Norway.

Barometer in morning above 30.3 ins. in the south-west of these Islands and over the adjacent part of the ocean, and above 30.4 ins. in the north-east of our area; below 29.7 in a depression centred off the west of Norway, and below 29.8 ins. in a shallow system in the south-east of Europe. Main depression moving east-south-eastward during day and pressure increasing over Scotland. Little change occurring in the high pressure systems, but barometer falling again in Iceland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						200 (1,646 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	August 28th, 10.0 a.m. to 12.50 p.m.	Brighton, 115 m.	Temperature .. Humidity .. Wind ..	288.5° 88% 180°, 7.6	286.5° 88% 175°, 12.5	283.0° 88% 210°, 17.5	280.5° 68% 230°, 8.5	275.6° 80% 230°, 15.7			275.8° 88% 230°, 15.7	Overcast St., clouds not reached. At descent, wind 19 m.p.s. at 575 m. above sea. Very steady wind all altitudes.
2	August 30th, 10.2 a.m. to 11.15 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature .. Humidity .. Wind ..	288.5° 90% 225°, 7	287.5° 90% 230°, 10	285° 95% 250°, 12	282.5° 95% 260°, 13				283° 90% 270°, 14	Clouds at 600 m, upper clouds not reached.
3	Sept. 1st, 9.0 a.m. to 1.0 p.m.	Brighton, 115 m.	Temperature .. Humidity .. Wind ..	290.2° 67% 360°, 4.9								Quarter overcast, Fr. Cu. Kite raised to 350 m., wind decreasing. No ascent possible.

Addendum to last week's Report (No. 34).—Kite ascents from Petersfield, Nos. 4 (August 26th), and 6 (August 27th), were made from 2.30 p.m. to 7.50 p.m., and from 11.20 a.m. to 5.10 p.m., respectively.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3
No. of Kites	1	1	—
Area of Surface (sq. metres) ..	7	7	—
Length of Wire (metres) ..	2,500	1,800	—

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 36. THIRTY-SIXTH WEEK, SUNDAY, SEPTEMBER 4TH, TO SATURDAY, SEPTEMBER 10TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—A little rain was experienced in the eastern districts early in the week, and in most northern and western localities on Saturday, but, upon the whole, the conditions were fair and dry, and at several stations in England the period was quite rainless.

Temperature was below the average except in Ireland N., the greatest deficit being in England E. and S.E.; in the latter district it amounted to as much as $3\frac{1}{2}^{\circ}$. The highest of the maxima were recorded on rather irregular dates, and ranged from 70° in Scotland E. and 69° or 68° in most other districts to 65° in England E. Maxima below 60° occurred on several days at stations in the north and north-east. The lowest of the minima, which were also registered on various dates, ranged from 30° in Scotland E. (at Balmoral on the 8th) and 36° or 37° over a considerable part of Great Britain, to 41° in Ireland S. and to 49° in the English Channel. The lowest grass readings reported were 25° at Balmoral, 29° at West Linton and Llangammarch Wells, 30° at Cambridge, 31° at Crathes, and 32° at Greenwich, Kew, Wisley and Newton Rigg.

Mean Temperature of the Sea.—On most parts of the coast the water was warmer than during the corresponding week of last year; at Lerwick, however, it was about $3\frac{1}{2}^{\circ}$ colder. The means for the week ranged from 61.5° at Newquay, and between 60° and 61° at Margate and the Shipwash, to between 53° and 54° at several stations on the north and north-east coasts of Britain.

Rainfall was much below the average; in England S.W. only half a tenth of an inch was collected, and in the Midland Counties, England S.E. and the English Channel less than half a tenth.

Bright Sunshine was much less than the normal over the eastern and central parts of England, rather less in Ireland S. and just equal to it in Scotland E. Elsewhere there was an excess. The percentage of the possible duration ranged from 56 in the English Channel, 52 in England S.W. and 40 in Scotland W. to 18 in England E., and to 15 in England N.E.

Barometer and Wind.—The United Kingdom as a whole was influenced by an anticyclonic system which extended north-eastwards from the Atlantic, and finally took the form of a broad band stretching from beyond our south-west coasts to Finland and northern Russia. The eastern and south-eastern counties of England were, however, affected to some extent by a depression which appeared over Germany during the earlier days of the week, while at the end of the period, when the anticyclone was receding southwards, a shallow depression approached Scotland from the westward. The wind varied somewhat in direction locally, but generally it was between North and North-East, excepting in Scotland, where it shifted on Friday and Saturday to the Southward.

THE WEEK.

DISTRICTS OF THE BRITISH ISLES.													
For explanation of the terms "Unusual," &c., see p. 292.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient	Moderate	Moderate	Deficient
	Rainfall ...	Light	Light	Light	Light	Light	Very light	Light	Light	Very light	Light	Light	Light
	Sunshine ...	Abundant	Moderate	Very scanty	Very scanty	Scanty	Scanty	Abundant	Abundant	Abundant	Abundant	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 1 week from Sept. 4th, 1910.	Warmth ...	0 * 0	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 0	0 * 1	0 * 1	0 * 0	0 * 0	0 * 1
		0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1
	Sunshine ...	1 * 0	0 * 0	0 * 1	0 * 1	0 * 1	0 * 1	1 * 0	1 * 0	1 * 0	1 * 0	0 * 0	0 * 1

PAST SEASONS.

AUTUMN, 1909. Sept. 5th–Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909–10. Dec. 5th–March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th–June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	4 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th–Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
		4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in *Day-degrees*—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THIRTY-SIXTH WEEK—September 4th to September 10th, 1910.																	
DISTRICTS. (See Frontispiece map.)		Temperature.								Rainfall.				Sunshine.			
		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
		Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)						
		°	°	°	°	°		Day-deg.	Day-deg.	Day-deg.	Day-deg.	Inches.	Inches.		+	%	°
0. SCOTLAND, NORTH		68	36	59.5	45.8	52.3	- 0.9	72	- 7	0	0	2	- 3	0.27	- 0.72	30	+ 5
Eastern																	
1. SCOTLAND, EAST		70	30	61.5	43.5	52.6	- 2.2	70	- 16	0	0	2	- 2	0.26	- 0.26	31	0
2. ENGLAND, N.E.		67	36	59.9	48.1	53.7	- 2.2	82	- 16	0	0	2	- 1	0.12	- 0.48	14	- 20
3. ENGLAND, EAST		65	36	60.8	49.6	54.9	- 2.8	90	- 20	0	0	2	- 1	0.11	- 0.37	17	- 21
4. MIDLAND COUNTIES		68	36	62.0	47.3	54.3	- 2.2	86	- 16	0	0	1	- 2	0.03	- 0.48	21	- 12
5. ENGLAND, S.E.		68	37	62.1	49.0	55.3	- 3.5	93	- 25	0	0	1	- 2	0.02	- 0.55	30	- 9
Western																	
6. SCOTLAND, WEST		69	37	62.6	46.6	54.2	- 0.6	85	- 5	0	0	2	- 1	0.40	- 0.54	37	+ 5
7. ENGLAND, N.W.		66	40	62.0	47.1	54.2	- 2.1	85	- 15	0	0	1	- 2	0.08	- 0.62	36	+ 4
8. ENGLAND, S.W.		68	36	63.5	48.2	55.5	- 2.0	95	- 13	0	0	1	- 3	0.05	- 0.66	48	+ 11
9. IRELAND, NORTH		69	38	62.7	48.4	55.2	0.0	92	- 1	0	0	2	- 3	0.17	- 0.61	35	+ 7
10. IRELAND, SOUTH		68	41	63.5	49.1	56.0	- 0.4	98	- 3	0	0	2	- 2	0.17	- 0.54	28	- 5
11. ENGLISH CHANNEL		68	49	63.9	53.3	58.4	- 1.7	115	- 12	0	0	1	- 2	0.04	- 0.52	51	+ 6
THE SEASON (Autumn).—Aggregates, &c., for the Period of 1 Week, September 4th to September 10th, 1910.																	
0. SCOTLAND, NORTH		68	36	*	*	*	*	72	- 7	0	0	2	- 3	0.27	- 0.72	30	+ 5
Eastern																	
1. SCOTLAND, EAST		70	30	*	*	*	*	70	- 16	0	0	2	- 2	0.26	- 0.26	31	0
2. ENGLAND, N.E.		67	36	*	*	*	*	82	- 16	0	0	2	- 1	0.12	- 0.48	14	- 20
3. ENGLAND, EAST		65	36	*	*	*	*	90	- 20	0	0	2	- 1	0.11	- 0.37	17	- 21
4. MIDLAND COUNTIES		68	36	*	*	*	*	86	- 16	0	0	1	- 2	0.03	- 0.48	21	- 12
5. ENGLAND, S.E.		68	37	*	*	*	*	93	- 25	0	0	1	- 2	0.02	- 0.55	30	- 9
Western																	
6. SCOTLAND, WEST		69	37	*	*	*	*	85	- 5	0	0	2	- 1	0.40	- 0.54	37	+ 5
7. ENGLAND, N.W.		66	40	*	*	*	*	85	- 15	0	0	1	- 2	0.08	- 0.62	36	+ 4
8. ENGLAND, S.W.		68	36	*	*	*	*	95	- 13	0	0	1	- 3	0.05	- 0.66	48	+ 11
9. IRELAND, NORTH		69	38	*	*	*	*	92	- 1	0	0	2	- 3	0.17	- 0.61	35	+ 7
10. IRELAND, SOUTH		68	41	*	*	*	*	98	- 3	0	0	2	- 2	0.17	- 0.54	28	- 5
11. ENGLISH CHANNEL		68	49	*	*	*	*	115	- 12	0	0	1	- 2	0.04	- 0.52	51	+ 6
THE YEAR.—Aggregates, &c., for the Period of 36 Weeks, January 2nd to September 10th, 1910.																	
0. SCOTLAND, NORTH		82	2	*	*	*	*	1678	+ 45	595	+ 38	165	0	35.17	+ 2.77	964	+ 54
Eastern																	
1. SCOTLAND, EAST		80	-10	*	*	*	*	1752	- 104	636	+ 16	146	+ 9	22.98	+ 2.89	1059	- 24
2. ENGLAND, N.E.		81	6	*	*	*	*	2110	+ 62	454	- 21	136	+ 13	16.88	+ 0.82	1067	- 101
3. ENGLAND, EAST		83	17	*	*	*	*	2391	+ 21	393	- 128	137	+ 18	17.23	+ 1.84	1195	- 70
4. MIDLAND COUNTIES		83	10	*	*	*	*	2321	- 17	474	- 59	136	+ 18	18.91	+ 1.64	1094	- 38
5. ENGLAND, S.E.		81	13	*	*	*	*	2454	- 83	294	- 87	135	+ 22	19.17	+ 2.49	1221	- 61
Western																	
6. SCOTLAND, WEST		81	0	*	*	*	*	2047	+ 54	432	+ 7	154	+ 11	33.58	+ 3.79	1114	0
7. ENGLAND, N.W.		81	7	*	*	*	*	2167	0	338	- 48	155	+ 24	26.67	+ 4.76	1178	+ 49
8. ENGLAND, S.W.		81	8	*	*	*	*	2319	- 81	242	- 59	146	+ 17	27.27	+ 3.91	1246	- 8
9. IRELAND, NORTH		79	7	*	*	*	*	2070	- 10	351	+ 6	170	+ 13	29.46	+ 4.82	1030	+ 11
10. IRELAND, SOUTH		79	18	*	*	*	*	2369	- 18	258	- 1	173	+ 34	30.57	+ 4.68	1097	- 44
11. ENGLISH CHANNEL		79	28	*	*	*	*	2640	- 73	54	- 55	143	+ 7	22.51	+ 3.27	1400	- 122

NOTES ON TABLES II. & III.

An Asterisk is inserted in all places for which the information is not usually given.
 1 In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *g* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					NAMES OF STATIONS.
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°	Below 42°	
0. SCOTLAND, N.	a, Islands.	p Baltasound	59	8th, 9th	47	57.0	48.8	52.7	—	75	0	3	0.15	—	24.1	—	25	—	Baltasound.	
		a Sumburgh Head	57	7th	44	55.6	47.9	51.6	+ 0.5	67	0	2	0.17	—	39.2	+13.1	41	+14	Deerness.	
		a Stornoway	64	5th	42	60.0	48.9	54.2	+ 1.5	85	0	3	0.54	—	21.5	—	23	—	Stornoway.	
		a Castlebay, Barra Isd.	60	4th	50	58.7	52.4	55.4	+ 1.1	94	0	3	0.41	—	36.1	—	23	—	Castlebay.	
	b, Main-land.	a Wick	62	9th	37	57.0	42.9	49.6	— 3.2	53	0	4	0.11	—	0.49	—	38	—	Strathpeffer.	
		p Strathpeffer	65	4th, 9th	39	61.7	46.1	53.5	+ 0.5	81	0	1	0.19	—	29.2	+ 1.9	31	+ 2	Fort Augustus.	
1. SCOTLAND, E. ..		p Glencarron	64	4th	39	59.9	45.8	52.5	+ 0.7	74	0	1	0.26	—	1.59	—	33	—		
		p Fort Augustus	65	8th	36	60.5	44.1	51.9	+ 1.8	69	0	1	0.20	—	0.68	—	33	+12		
		p Fort William	68	4th	41	61.8	44.9	52.9	+ 1.2	76	0	1	0.40	—	1.16	—	33	—		
		p Gordon Castle	68	9th	36	62.5	43.0	52.3	— 2.1	72	0	2	0.16	—	0.45	—	39	—	Gordon Castle.	
		a Nairn	66	9th	34	60.4	40.4	49.9	— 4.1	62	4	3	0.20	—	0.32	—	32	—	Nairn.	
		a Aberdeen	65	10th	41	59.6	44.9	51.9	— 1.9	69	0	2	0.08	—	0.61	—	30	—	Aberdeen.	
2. ENGLAND, N.E.		a Balmoral	66	9th, 10th	30	63.1	38.7	50.3	— 0.8	72	9	1	0.12	—	0.68	—	29	—	Crathes S.	
		p Crieff	70	4th	43	65.0	46.7	55.4	+ 0.5	94	0	3	0.49	—	0.31	—	38	—	Bairdery	
		a Leith	66	9th	43	61.4	47.7	54.2	+ 1.7	85	0	2	0.23	—	0.27	—	38	—	Edinburgh.	
		a West Linton	64	5th	32	59.2	40.8	49.6	— 3.3	58	3	3	0.39	—	0.27	—	34	—	West Linton.	
		p Marchmont	65	9th	43	60.6	45.6	52.7	— 0.8	75	0	1	0.42	—	0.26	—	35	+ 3	Marchmont.	
		a Alnwick Castle	64	9th, 10th	39	59.0	45.8	52.1	— 2.3	71	0	1	0.40	—	0.20	—	35	—	Cockle Park.	
3. ENGLAND, E.	a, North.	a Shields	64	10th	43	59.4	45.6	52.2	— 3.1	71	0	3	0.18	—	0.32	—	14	—	Newcastle.	
		p Durham	65	10th	36	58.7	44.8	51.4	— 4.1	66	0	1	0.08	—	0.46	—	11	—	Durham.	
		p Rounton	64	10th	43	58.1	47.4	52.5	— 2.5	74	0	2	0.16	—	0.31	—	17	—	Scarborough.	
		p Scarborough	64	5th	50	62.4	51.4	56.6	+ 0.4	102	0	0	0.07	—	0.43	—	15	—	York.	
	b, South.	a Spurn Head	61	10th	47	60.9	48.9	54.6	+ 2.0	88	0	3	0.09	—	0.38	—	10.9	—		
		a Lincoln	64	8th, 10th	45	57.9	52.1	54.9	— 2.7	90	0	3	0.09	—	0.29	—	20	—	Skegness.	
4. MIDLAND COUNTIES.		a Fulbeck	67	8th	44	61.9	48.2	54.7	— 2.6	89	0	1	0.04	—	0.42	—	12.0	—	Rauceby.	
	a, North.	p Cromer	62	8th	52	59.9	53.2	56.4	— 1.0	101	0	1	0.01	—	12.1	—	13	—	Lowestoft.	
		p Hillington	63	9th, 10th	38	60.0	48.4	53.9	— 3.4	83	0	4	0.23	—	0.30	—	10.4	—	Cromer.	
		a Yarmouth	64	7th	50	61.6	52.9	57.0	— 0.9	105	0	3	0.32	—	0.18	—	22.0	—	Hillington.	
		a Norwich	64	10th	44	61.1	49.9	55.2	— 2.4	92	0	3	0.13	—	0.35	—	14.5	—	Yarmouth.	
	b, South.	p Geldeston	65	10th	36	60.4	47.4	53.6	— 5.0	81	0	2	0.09	—	0.37	—	12.7	—	Geldeston.	
5. ENGLAND, S.E.		a Cambridge	65	10th	36	60.4	47.4	53.6	— 5.0	81	0	2	0.09	—	0.37	—	12.7	—	Cambridge.	
		a Felkstone	65	7th	45	62.4	49.7	55.8	— 2.9	97	0	3	0.04	—	0.38	—	35.8	—	Felkstone.	
		a Clacton-on-Sea	65	7th, 9th	42	62.1	49.0	55.2	— 3.5	92	0	1	0.05	—	0.41	—	34.1	—	Clacton.	
		a Rothamsted	63	8th, 10th	38	59.7	45.8	52.4	— 4.3	73	0	2	0.03	—	0.50	—	10.0	—	Rothamsted.	
		a Shobury	65	8th, 9th	45	63.1	49.9	56.2	— 3.5	99	0	2	0.06	—	0.34	—	29.8	—	Southend.	
		p Tottenham	65	8, 9, 10th	42	61.8	50.4	55.8	— 2.8	97	0	0	0.00	—	18.4	—	20	—	Tottenham.	
6. LONDON		a Harrogate	64	10th	43	57.8	46.7	52.0	— 3.0	70	0	1	0.02	—	0.55	—	10.5	—	Harrogate.	
		a Bawtry	63	10th	43	59.9	47.4	53.4	— 3.2	80	0	2	0.07	—	0.36	—	15.8	—	Workop.	
	a, East.	p Buxton	61	4, 9, 10th	42	59.1	45.8	52.1	— 3.8	71	0	0	0.00	—	0.93	—	39.1	—	Buxton.	
		a Nottingham	64	8th, 10th	38	61.0	48.4	54.4	— 2.3	87	0	1	0.03	—	0.45	—	17.4	—	Nottingham.	
		p Birmingham, Edgbn	63	10th	47	61.2	49.3	55.0	— 2.1	91	0	0	0.00	—	0.51	—	14.3	—	Birmingham.	
	b, West.	a Raunds	67	10th	36	61.5	48.9	53.9	— 3.3	83	0	0	0.00	—	—	—	—	—		
7. 4. MIDLAND COUNTIES.		a Oxford	67	8th	46	61.3	49.0	54.9	— 3.1	90	0	2	0.02	—	0.43	—	17.5	—	Oxford.	
		a Cheadle	64	7th	42	61.2	46.0	53.2	— 1.7	78	0	0	0.00	—	0.66	—	—	—	Sheffield.	
		p Shrewsbury	66	10th	43	64.0	47.2	55.2	— 1.9	92	0	1	0.12	—	—	—	—	—		
		a Hereford	68	10th	41	64.6	45.8	54.8	— 2.2	90	0	1	0.07	—	0.43	—	—	—		
		a Cirencester	67	4th, 5th	44	64.9	46.5	55.3	— 0.4	93	0	0	0.00	—	0.60	—	31.0	—	Cirencester.	
		a Bath	66	8th, 10th	44	64.1	47.6	55.5	— 2.3	95	0	0	0.00	—	0.59	—	38.8	—	Bath.	
8. 5. ENGLAND, S.E.		p Kew	65	10th	41	60.5	49.3	54.6	— 3.8	88	0	0	0.00	—	0.50	—	13.2	—	Ramsgate.	
		a Marlborough	65	8th, 10th	42	61.4	45.0	52.8	— 3.0	76	0	0	0.00	—	0.57	—	25.1	—	Kew.	
		a Margate	65	4th, 10th	52	63.0	53.7	58.1	— 1.6	113	0	2	0.11	—	0.35	—	31.5	—	Marlborough.	
		a Wisley, Surrey	65	8th	37	60.6	48.3	54.2	— 4.7	85	0	0	0.00	—	14.7	—	16	—	Margate.	
		a Swaraton	65	8th	39	60.2	46.1	52.8	— 4.0	76	0	0	0.00	—	0.56	—	40.5	—	Wisley.	
		a Tunbridge Wells	65	8th, 10th	42	61.2	47.2	53.9	— 3.7	83	0	0	0.00	—	0.53	—	28.7	—	Tunbridge Wells.	
9. 5. ENGLAND, S.E.		a Dungeness	66	8th	47	63.7	49.7	56.4	— 3.0	101	0	1	0.02	—	0.45	—	34.9	—	Littlestone.	
		p Hastings	66	10th	47	63.1	50.4	56.5	— 2.8	102	0	3	0.09	—	0.50	—	39.2	—	Hastings.	
		p Southampton	68	8th	46	63.9	49.9	56.6	— 3.1	102	0	0	0.00	—	0.55	—	36.8	—	Southampton.	
		a Ventnor	67	8th	48	63.3	50.7	56.7	— 3.8	103	0	0	0.00	—	0.57	—	43.1	—	Ventnor.	
		a Westminister	65	10th	42	61.4	49.3	55.1	— 3.8	92	0	1	0.01	—	0.46	—	3.9	—	Eastbourne.	
		a Greenwich	66	10th	39	61.8	49.1	55.2	— 4.2	92	0	1	0.02	—	0.43	—	15.7	—	Westminister.	
10. 6. LONDON		p Poltalloch	64	4th, 7th	42	50.1	55.6	— 0.4	95	0	2	0.74	—	0.37	—	—	—	—	Greenwich.	
	a, SCOTLAND, W. ..	p Glasgow	66	4th	43	61.5	47.9	54.4	+ 0.2	87	0	3	0.57	—	26.0	—	28	—	Glasgow.	
		p Rothesay	67	4th	44	62.9	48.0	55.1	— 0.0	92	0	2	0.65	—	0.39	—	—	—		
		a Kilmarnock	66	4th	37	62.7	43.9	52.9												

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	53.6	—	Harrogate	0	37	54.5	54.8	6. Dumfries	0	36	56.6	57.1
1. Aberdeen	—	—	—	53.5	Huddersfield	0	38	56.6	55.4	Douglas	0	40	—	—
Crathes	0	31	55.4	55.1	Buxton	0	37	54.9	53.7	Aspatia	0	33	55.0	54.5
Balmoral	3	25	—	—	Sheffield	—	—	—	—	Newton Rigg	0	32	56.3	55.4
West Linton	1	29	—	—	Nottingham	0	42	56.2	57.6	Burnley	0	33	54.1	54.4
Marchmont	0	40	54.9	—	Birmingham	0	33	53.5	53.1	Southport	0	36	58.3	59.6
Cockle Park	0	36	52.2	53.4	Oxford	0	—	—	—	Manchester City	0	40	56.0	57.7
Durham	0	34	—	—	Hereford	0	35	—	—	Bettws-y-Coed	0	40	53.4	55.0
York	—	—	57.7	57.1	Cirencester	0	37	57.3	56.3	Llangammarch Wells	2	29	56.0	55.6
Hull	0	40	56.6	56.0	Bath	—	—	61.2	60.1	Cardiff	0	39	58.9	57.8
Lincoln	—	—	56.9	56.6	Margate	0	49	58.2	57.9	Clifton	0	40	—	—
Rauceby	0	39	57.7	56.9	Greenwich	0	32	—	—	Plymouth	0	42	—	—
Norwich	—	—	—	—	Westminster	0	39	—	—	9. Armagh	0	36	58.3	57.1
Yarmouth	—	—	59.1	59.6	Kew	0	32	57.7	57.9	Markree	0	36	59.0	57.0
Lowestoft	0	46	59.7	59.5	Canterbury	0	47	57.2	58.0	10. Dublin, Trin. Coll. ..	0	37	58.8	57.3
Cambridge	1	30	57.2	58.3	Tunbridge Wells	0	37	59.0	—	11. Guernsey, Brooklyn	—	—	—	—
Clacton-on-Sea	0	42	58.2	58.8	Wisley	0	32	57.9	58.8					
Southend	0	46	59.7	—	Worthing	0	39	59.9	59.9					
Tottenham	0	36	—	59.6	Portsmouth	0	40	59.6	59.9					
					Glasgow	0	37	—	—					
					Rothsay	—	—	—	54.0					
					Colmonell	0	35	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	55	54	54.4	SCOTLAND, W.	Lamlash	55	54	54.3
	Kirkwall	54	53	53.7		Ballantrae	57	54	55.7
	Wick	54	53	53.5	ENGLAND, N.W.	Port Erin	58	55	56.3
SCOTLAND, E.	Cromarty	56	54	55.0		Newquay	62	61	61.5
	Pennan Bay	55	51	53.4	ENGLAND, S.W.	Scilly	63	56	58.8
	Aberdeen, Cove Bay	55	54	54.7		Plymouth	60	59	59.1
ENGLAND, N.E.	Burnmouth, Berwick	54	52	52.9		Salcombe	61	57	58.3
	Scarborough	59	52	55.2	IRELAND, N.W.	Sheephaven	59	57	57.9
ENGLAND, E.	Shipwash Lightship	62	60	60.8		Teelin	62	56	58.7
	Margate	62	60	60.3	IRELAND, S.W.	Cleggan	61	55	57.1
ENGLAND, S.E.	Eastbourne	—	—	—		Seafield	63	57	59.9
					IRELAND, E.		—	—	—

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: —b— = blue sky; —c— = detached cloud; —o— = overcast; —m— = misty (hazy); —f— = foggy; —q— = squally; —r— = rain; —h— = hail; —s— = snow; —l— = lightning; —t— = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.35 a.m. in Portugal; and at 8 a.m. in Spain.

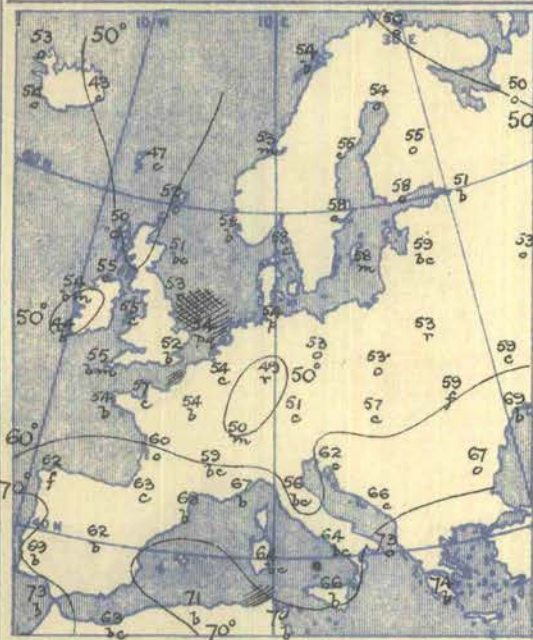
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 4th September, 1910.

Temperature and Weather.

7 a.m.

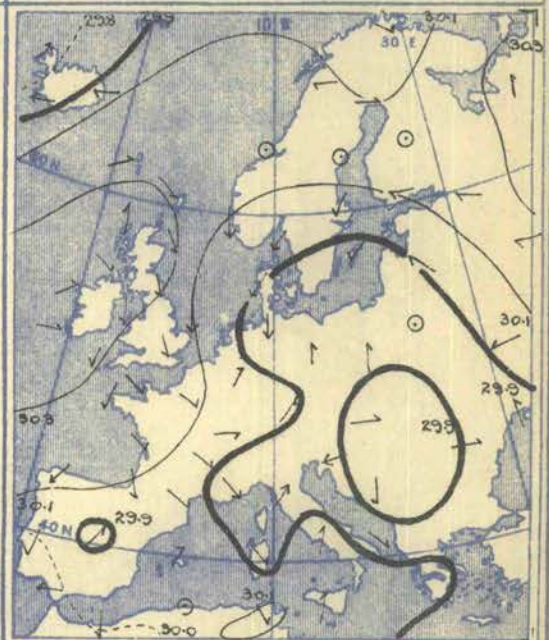


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy over Holland and Germany, and rain falling at North Shields also; fair to fine and bright over the western parts of the United Kingdom, and over nearly the whole of southern Europe, as well as in most parts of Russia. A considerable amount of rain experienced later at many places over the northern and central regions of the Continent, and also at Leghorn and Brindisi. Largest measurement, 1.4 in. at Trieste.

Temperature fallen in nearly all regions. Morning readings ranging from about 50° in the north of this country, in the extreme north of the Continent, and in the east of France and west of Germany, to above 60° at almost all places in the Mediterranean region, and to above 70° at a few stations. Maxima again very low in the United Kingdom, most of France, and central Europe—only 57° at Prague. Above 80° over a considerable area in the south, and as high as 93° at Madrid. Night very cool in the north-east of Scotland.

Wind in morning moderate to strong or high from between North and North-West along the east coasts of England and Scotland and the adjacent coasts of the Continent; light from the Northward in the west of these Islands. A cyclonic circulation prevailing over the Baltic and Germany. Increasing to a gale from between East and South later in Iceland; becoming strong from various quarters on some shores of the Mediterranean.

Barometer in morning above 30.3 ins. both in the west of our area and in the extreme north-east; below 29.7 ins. in a large depression having its minimum near Hamburg, and below 29.9 ins. in the west of Iceland. Anticyclonic system extending more over the United Kingdom during day, but depression over Germany undergoing little change. Another disturbance developing over northern Italy, and a large system travelling north-eastward over the Iceland-Greenland region.

Monday, 5th September, 1910.

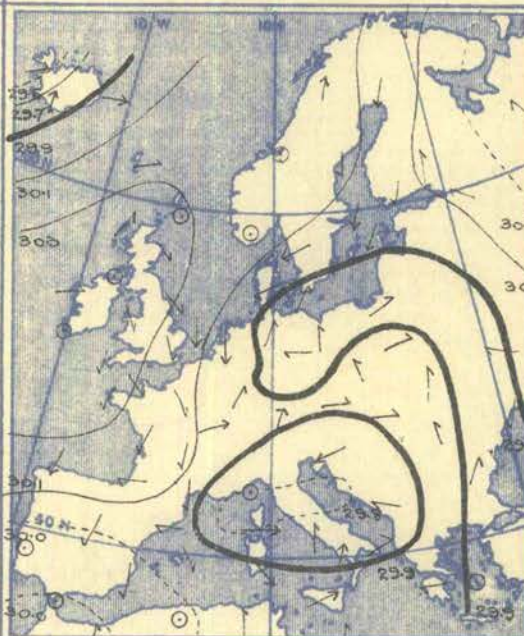
Temperature and Weather.

7 a.m.

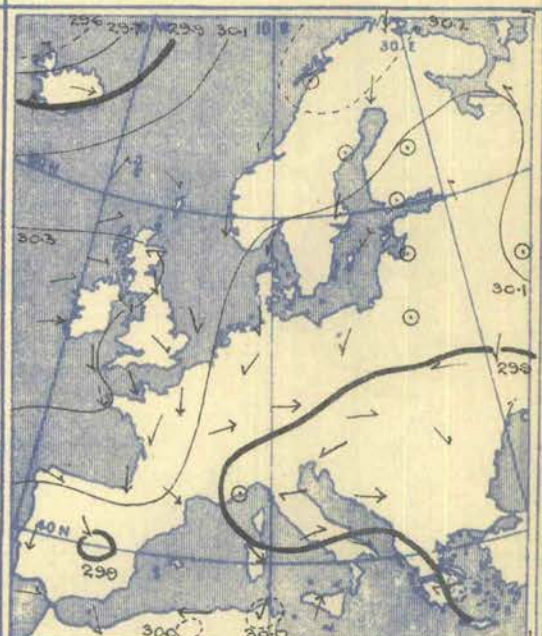


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy to overcast over the eastern half of the United Kingdom, and also in most places over the northern half of the Continent; rain falling at North Shields and at a few widely separated spots on the Continent. Generally very fine and bright over the Mediterranean region. Some heavy falls of rain later in Austria, Switzerland, and the east of France, and slight amounts in some parts of Germany and these Islands.

Temperature changed little or fallen in most regions. Morning readings ranging from above 70° at various places in the south, to below 50° at some stations in central Europe and north of these Islands, as well as in the extreme north of the Continent. Maxima very low over the United Kingdom, lower than 60° at many stations. Thermometer remaining below 65° in nearly all parts of central Europe and over the adjacent portion of France, but rising to 80° or above at various places in the south of our area, and touching 93° at Madrid.

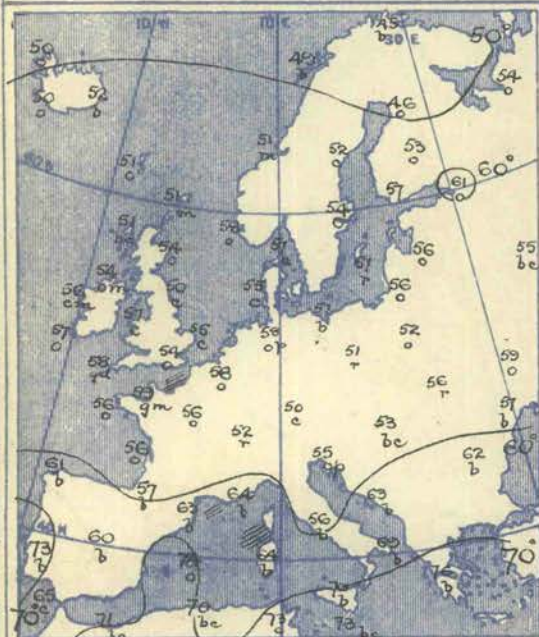
Wind in morning fresh to a gale from the Southward in Iceland, fresh to high from the Northward in the south of Norway and over the North Sea and Holland, and moderate to fresh from that quarter over England. A cyclonic circulation of light to strong winds prevailing over Italy and its neighbourhood. Gale continuing in Iceland throughout the day, but Northerly current moderating over the North Sea region.

Barometer in morning above 30.3 ins. in an anticyclone extending from the Atlantic over these Islands, and nearly as high in the north-east of Europe; below 29.9 ins. in an irregularly shaped depression extending from Germany eastward and thence to the Black Sea, and below 29.8 ins. in another system over Italy. A large depression travelling in a north-easterly direction over the Iceland-Greenland region. No great change occurring later in the general distribution of pressure. Increasing slowly over Germany.

Tuesday, 6th September, 1910.

Temperature and Weather.

7 a.m.

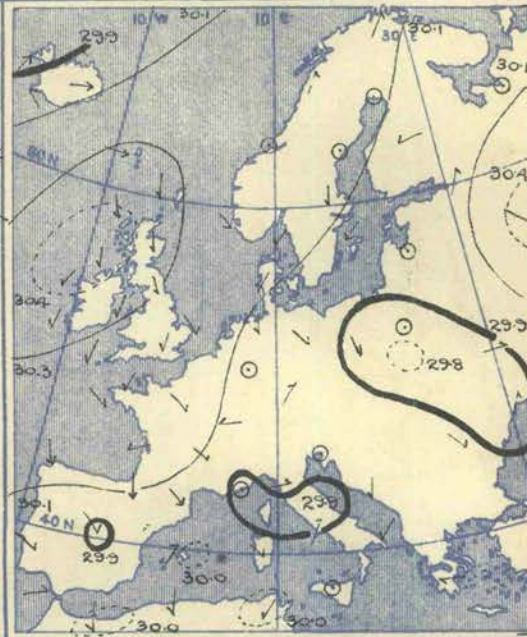


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy over much of central Europe and the Baltic, and also at Belfort, and cloudy or overcast in most other regions. Fair to fine and bright at most places in the south of our area, but a thunderstorm in progress at Toulouse. Slight showers later in a few parts of these Islands, and rather heavy rains in places over a wide area on the Continent; as much as 1.7 in. at Breslau.

Temperature risen in most parts of these Islands. Morning readings ranging from below 50° at some places in the far north, and very little above that figure in the central countries and some parts of these Islands, to between 60° and 70° at nearly all stations over the south of our area, and to above 70° in places. Rising to between 80° and 90° over a wide area in the south during day, but remaining below 60° in various parts of central Europe and the United Kingdom.

Wind in morning mainly anticyclonic over all the west and north-west of our area, and cyclonic in the south and south-east; scarcely any stations reporting a greater force than a moderate breeze. No change of importance during day; increasing to a fresh breeze from North-West on the south coast of France, and to a strong breeze from North-East at Wisby.

Barometer in morning above 30.3 ins. in Ireland and Scotland and over a large area on the Atlantic, and also in the north of Scandinavia. Below 29.8 ins. in a depression over Hungary, and relatively low over Italy and the Spanish Peninsula. Pressure giving way rather decidedly over the north of Scandinavia during day, but increasing slightly over the north and north-west of these Islands. No important modification occurring in the general distribution of pressure.

Wednesday, 7th September, 1910.

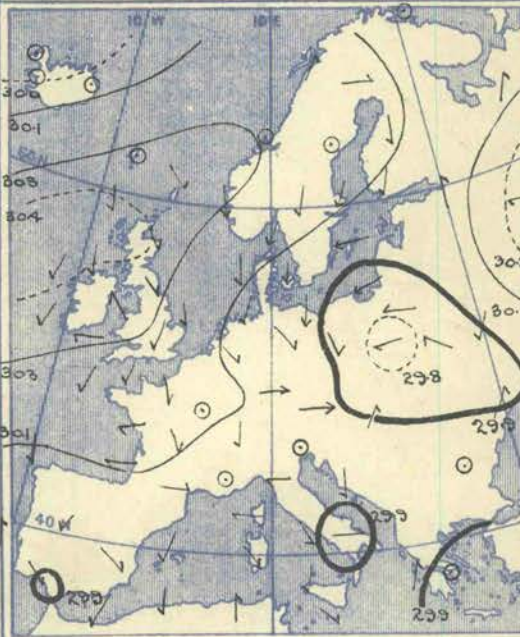
Temperature and Weather.

7 a.m.

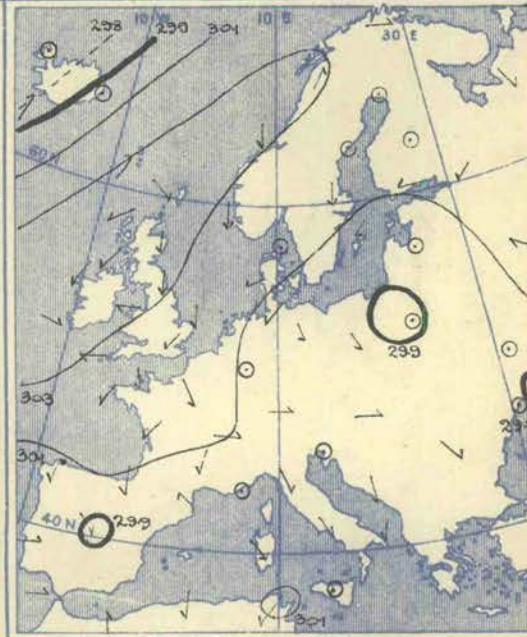


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast over the greater portion of the United Kingdom, and rainy over a large area in central Europe, as well as at Hangö and Pesaro. Fair to very fine in most other regions, but foggy at Corunna and Christiansund. Some rain later at several places in the east and south-east of England, and heavier amounts in some German localities, and also at Utrecht, Cracow, and Riga.

Temperature fallen in most regions. Morning readings ranging from 75° in Greece, and about 70° over a considerable portion of the Mediterranean, to below 50° in the north of Scotland, as well as at Archangel, Moscow, and Hermanstadt. Maxima during day below 60° at many of our own stations, and below 65° over nearly the whole of Germany and Austria; exceeding 75° over a large area in the south, rising to above 80° in places, and touching 90° at Madrid. Minima at night very little above 52° at some Scottish stations.

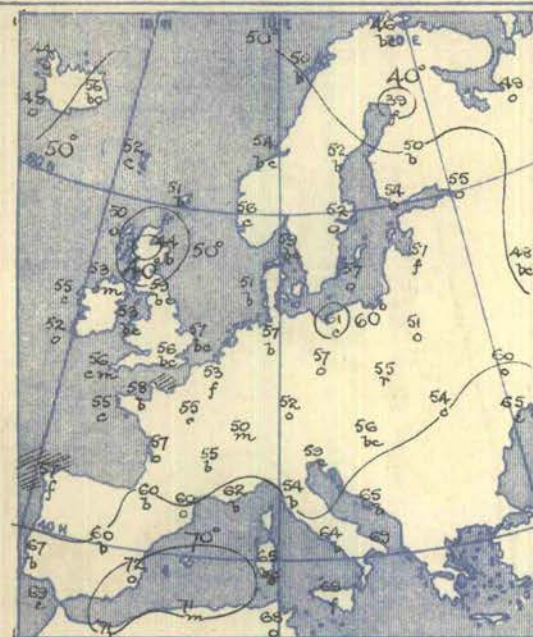
Wind in morning anticyclonic over these Islands and a large part of north-western Europe; Northerly current blowing a fresh breeze on some parts of our eastern coast. A cyclonic circulation prevailing over the central countries of the Continent, and light cyclonic airs in the south and south-west. Increasing to a high wind from North by evening at Swinemünde, but very little change elsewhere.

Barometer in morning ranging from above 30.4 ins. in the north-west of these Islands, and above 30.2 ins. in central Russia, to below 30.0 ins. over the greater part of the Peninsula and also in the north of Iceland, and to below 29.8 ins. in a depression having its centre over Poland. No change of importance occurring later in the general distribution over our area as a whole, but a decided decrease taking place in Iceland owing to a large depression having its centre to the northward.

Thursday, 8th September, 1910.

Temperature and Weather.

7 a.m.

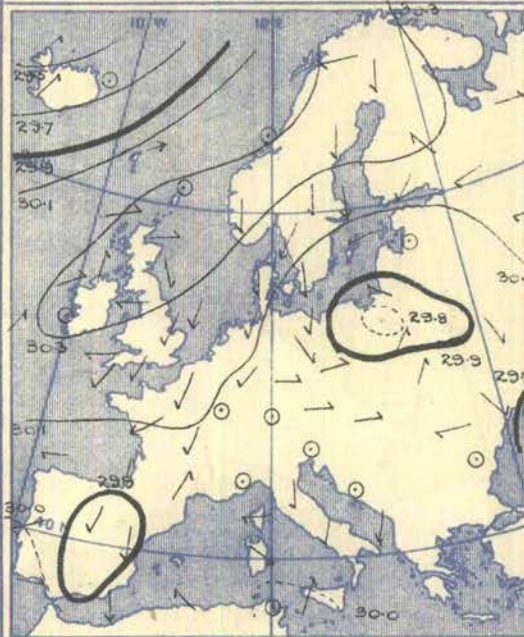


Weather in morning fair to fine and bright over the major portion of our area, but very cloudy or overcast in several parts of these Islands, with rain at Dover, and overcast over a large district in central Europe, with rain at Breslau. Rain also falling at Barcelona. Some rain later in the south-east of England, as well as in Germany, Austria, the north of Italy, and in some Corsican and Spanish localities; largest measurements, 0.6 at Turin and Bilbao, 1.2 in. at Palma, and 1.7 in. at Sanguinaire.

Temperature changed little as a whole, but fallen in Scotland. Morning readings ranging from about 70° at several stations in the extreme south, and about 60° in Little Russia, to below 50° at various places in the north of Britain and the north of the Continent, and to less than 40° at Nairn and Uleaborg. Rising during day to 91° at Tunis, 86° at Madrid, about 80° at some other places in the south, and to above 70° over the southern half of France. Remaining below 65° in nearly all parts of this country and Germany. Minima during night low over Scotland and central England.

Barometer and Wind.

7 a.m.



6 p.m.



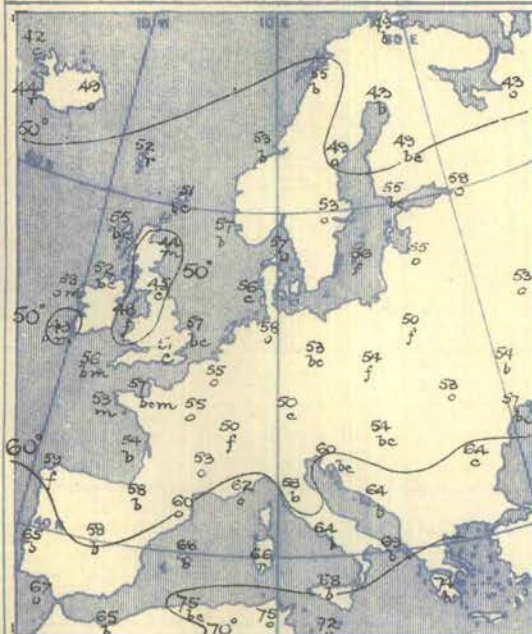
Wind in morning showing cyclonic movements over central Europe and the Spanish Peninsula, and a vast anticyclonic circulation over the United Kingdom and Scandinavia. Scarcely any station with a greater strength than a moderate breeze. No important change later; cyclonic movement becoming less well marked over the central countries.

Barometer in morning ranging from above 30.3 ins. in a high pressure system extending from the south-west of Ireland, as far as the White Sea, to below 29.9 ins. in a depression situated over Germany and Spain, and to below 29.5 ins. in a large system centred to the northward of Iceland. General situation undergoing little modification during day. Pressure increasing steadily in Iceland, and depression in Germany partially dispersing.

Friday, 9th September, 1910.

Temperature and Weather.

7 a.m.

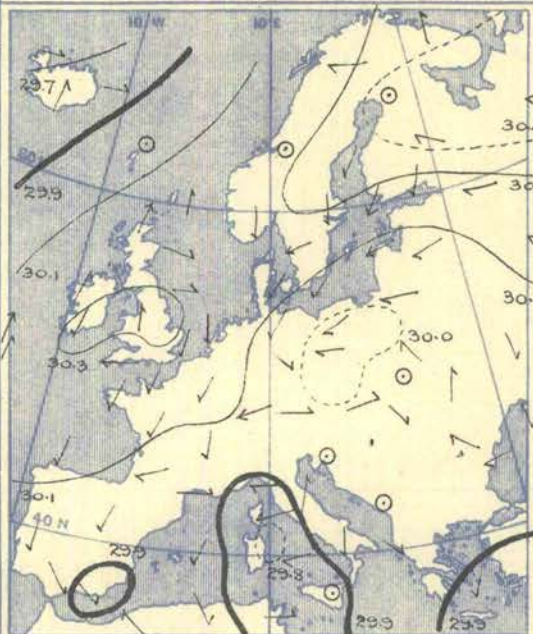


Weather in morning rainy at some stations in the Icelandic region, as well as at Flushing, and in some parts of Germany. Mostly fair to fine, but overcast in places, with rain at Cagliari. Some mist and fog prevailing on our south west coasts. A little rain falling later in the Hebrides and at Sumburgh Head, and also in the Netherlands and central Europe, and considerable or heavy amounts in northern Italy and in the west of Spain.

Temperature fallen somewhat in most regions. Morning readings ranging from below 50° at many stations in the north of the Continent and in the east of Scotland, and just 50° at Munich and Belfort, to above 60° on most shores of the Mediterranean, and to 70° or above in the far south. Maxima during day ranging from 60° to 65° over the greater part of this country, but above 70° at most places in the south of our area, and above 80° at a few stations. Thermometer reaching 86° at Athens, and 91° at Tunis.

Barometer and Wind.

7 a.m.



6 p.m.



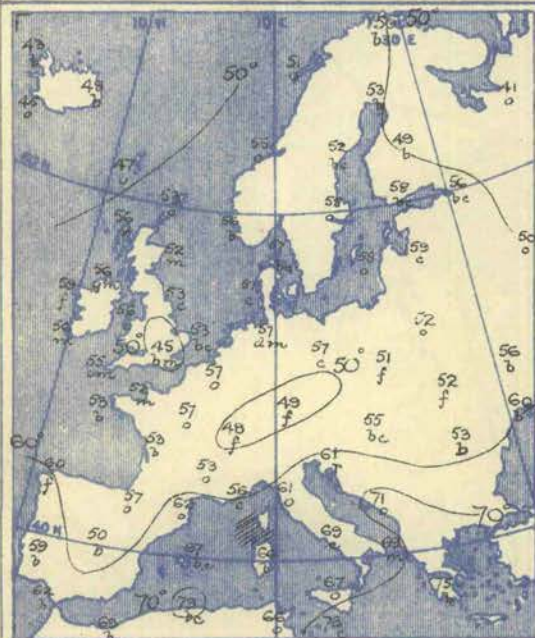
Wind in morning very light to moderate in force; anticyclonic throughout the British area and northern Europe, cyclonic over the central and southern countries. No important change later in day; increasing somewhat in strength on the coast of Algeria.

Barometer in morning 30.2 ins. to above 30.4 ins. in a vast area of high pressure extending from the Atlantic north-eastward to the White Sea and beyond. Below 30.0 ins. in a shallow depression over Germany, and to a lower figure in other shallow systems in the south of our area, as well as in Iceland. A depression over the Mediterranean becoming rather deeper during day, but little change taking place in the general distribution of pressure. Barometer rising in Iceland.

Saturday, 10th September, 1910.

Temperature and Weather.

7 a.m.



Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the extreme north-west and north of the United Kingdom, as well as in northern Italy and at some stations in North Germany and Holland; cloudy to overcast over a large area, but fine and bright in Finland, most parts of Russia, and at many places on the shores of the Mediterranean. Some rain later at most stations in the United Kingdom, and heavy amounts in various parts of central Europe and Italy; more than an inch at Vienna and Trieste, and 1·2 in. at Naples.

Temperature changed rather irregularly; fallen in the south-east of England, risen in most parts of our Islands. Morning readings above 70° at a few places in the extreme south and above 60° over the Mediterranean as a whole; below 50° in some English localities, as well as in some parts of Germany and the east of France, and over a considerable area in northern Europe. Maxima during day below 65° in most of this country, the Netherlands, Germany, and in some parts of Austria and France, but above 70° at St. Petersburg and over the southern regions of Europe. Thermometer touching 86° at Athens.

Wind in morning showing a well-marked cyclonic circulation over the Mediterranean, but of little force. Light anticyclonic breezes prevailing over our area generally. Increasing in force on some shores of the Mediterranean by evening, but not much change as a whole. A partial cyclonic movement setting in in Scotland and the north of Ireland.

Barometer in morning ranging from above 30·2 ins. in a vast anticyclonic band covering these Islands, the North Sea, Scandinavia, and Finland; below 29·8 ins. in a depression over Italy. Anticyclonic system receding southward during day, and a shallow depression approaching the Hebrides from the westward. A rather decided increase of pressure setting in over Iceland and extending towards Scotland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Sept. 4th, 10.30 a.m. to 12.15 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	286° 76° 360°, 7·6	283° 76° 345°, —	277·5° 90° 355°, —	273·5° 66° —				280° 56% —	{ Stratus about 600 m. Alt.-Cu. showing through gaps. Anemo- meter pen failed, strongest wind about 13 m.p.s.

APPARATUS USED IN THE KITE ASCENT.

No. of Ascent.		1
No. of Kites..	..	1
Area of Surface (sq. metres) ..	..	7
Length of Wire (metres) ..	..	1,800

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 37. THIRTY-SEVENTH WEEK, SUNDAY, SEPTEMBER 11TH, TO SATURDAY, SEPTEMBER 17TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was again fair and dry during the greater part of the period. Occasional slight showers were, however, experienced in most localities, and a heavy fall of rain in the south-eastern and central counties of England on Wednesday, a thunderstorm occurring in and around London on the afternoon of the same day.

Temperature remained below the average in all districts. The highest of the maxima were recorded on the 11th, except in the north and north-east, and ranged from 69° in England N.W. and 68° in several other districts to 64° in Ireland S. The lowest of the minima occurred on very variable dates. In Scotland E. (at West Linton on the 16th) the thermometer fell to 30°, but elsewhere the readings ranged from 34° in England N.E. and N.W. to 42° in Ireland S., and to 47° in the English Channel. The lowest grass readings reported were 28° at West Linton and Balmoral, 29° at Huddersfield and 30° at Newton Rigg, Burnley, Sheffield and Llangammarch Wells, and Markree Castle.

Mean Temperature of the Sea. On the coast generally the water was rather warmer than during the corresponding week of last year. The means for the week ranged from 61° at Newquay, and about 60° on the east and south-east coasts of England, and at Seafeld, to about 53° off the north and north-east coasts of Scotland.

Rainfall was considerably in excess of the normal in England E., but was less than the average elsewhere, the deficit being large in the west and north. In Ireland and the north-western parts of Great Britain the total fall was less than 0.05 in. and at several stations in Scotland and Ireland, as well as at Holyhead, Aspatria and Manchester, the week was quite rainless.

Bright Sunshine was less than the average over the greater part of England, but exceeded it in the north and west of Scotland, and also in the north of Ireland. The percentage of the possible duration ranged from 49 in Scotland W., 38 in Scotland N., and 36 in England N.W. to 24 in England E., and 14 in the Midland Counties.

Barometer and Wind.—The pressure distribution was again anticyclonic, the barometer being usually highest on the Atlantic to the westward or north-westward of this country. During Wednesday, however, a small depression which was developed over the Low Countries and the north-east of France had considerable effect on the winds and weather in the east and south of England, causing the Northerly to North-Easterly current, which had hitherto been light or moderate, to increase to the force of a strong breeze or high wind. At the end of the week the central portion of the anticyclone was moving eastward across England, and pressure was decreasing very generally over the United Kingdom.

THE WEEK.

For explanation of the terms "Unusual, &c., see p. 300.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth	...	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Moderate	Deficient	Moderate	Moderate	Deficient	Moderate
	Rainfall	...	Light	Light	Light	Heavy	Moderate	Moderate	Light	Light	Light	Very light	Light	Moderate
	Sunshine	...	Abundant	Moderate	Scanty	Scanty	Very scanty	Scanty	Abundant	Moderate	Scanty	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 2 weeks from Sept. 4th, 1910.	Warmth ...	0 * 0	0 * 1	0 * 2	0 * 1	0 * 1	0 * 2	0 * 0	0 * 2	0 * 1	0 * 0	0 * 1	0 * 1
	Rainfall ...	0 * 2	0 * 2	0 * 2	1 * 1	0 * 1	0 * 1	0 * 2	0 * 2	0 * 2	0 * 2	0 * 2	0 * 1
	Sunshine ...	2 * 0	0 * 0	0 * 2	0 * 2	0 * 2	0 * 2	2 * 0	1 * 0	1 * 1	1 * 0	0 * 0	0 * 2

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE.**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

THIRTY-SEVENTH WEEK—September 11th to September 17th, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
		°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg.	Day-deg.			Inches.	Inches.			%	%
0. SCOTLAND, NORTH		68	35	60.5	44.7	52.2	- 0.4	71	- 3	0	0	2	- 2	0.05	- 0.36	35	+ 9	38	+10
Eastern																			
1. SCOTLAND, EAST		68	30	60.5	43.8	51.7	- 1.5	68	- 12	0	- 1	1	- 2	0.06	- 0.38	30	0	33	0
2. ENGLAND, N.E.		66	34	58.5	47.3	52.7	- 2.3	75	- 17	0	0	2	- 1	0.14	- 0.32	23	- 11	25	-12
3. ENGLAND, EAST		67	40	61.4	50.5	55.7	- 1.1	96	- 8	0	0	4	+ 2	1.05	+ 0.66	21	- 16	24	-17
4. MIDLAND COUNTIES ..		68	38	59.3	48.4	53.6	- 2.1	81	- 15	0	0	2	0	0.35	- 0.05	13	- 20	14	-22
5. ENGLAND, S.E.		68	39	62.5	50.5	56.2	- 1.8	99	- 13	0	0	3	+ 1	0.36	- 0.08	25	- 10	31	-11
Western																			
6. SCOTLAND, WEST		67	35	61.7	45.3	53.1	- 0.7	78	- 7	0	0	1	- 3	0.01	- 0.77	44	+ 13	49	+14
7. ENGLAND, N.W.		69	34	60.5	47.6	53.8	- 1.9	83	- 13	0	0	1	- 2	0.03	- 0.54	32	0	36	0
8. ENGLAND, S.W.		68	40	61.3	50.5	55.7	- 1.2	96	- 8	0	0	1	- 1	0.13	- 0.39	30	- 6	34	- 7
9. IRELAND, NORTH		68	37	60.0	48.0	53.7	- 1.0	82	- 7	0	0	1	- 2	0.02	- 0.59	31	+ 4	35	+ 4
10. IRELAND, SOUTH		64	42	60.6	48.7	54.4	- 1.5	87	- 10	0	0	1	- 2	0.02	- 0.58	29	- 4	32	- 4
11. ENGLISH CHANNEL		67	47	63.4	53.9	58.4	- 1.2	115	- 8	0	0	2	- 1	0.17	- 0.31	30	- 16	34	-18
THE SEASON (Autumn).—Aggregates, &c., for the Period of 2 Weeks, September 4th to September 17th, 1910.																			
0. SCOTLAND, NORTH		68	35	*	*	*	*	143	- 10	0	0	4	- 5	0.32	- 1.58	63	+ 12	34	+ 7
Eastern																			
1. SCOTLAND, EAST		70	30	*	*	*	*	138	- 28	0	- 1	3	- 4	0.32	- 0.64	61	0	33	0
2. ENGLAND, N.E.		67	34	*	*	*	*	157	- 33	0	0	4	- 2	0.26	- 0.80	37	- 30	20	-16
3. ENGLAND, EAST		67	36	*	*	*	*	186	- 28	0	0	6	+ 1	1.16	+ 0.29	38	- 36	21	-20
4. MIDLAND COUNTIES ..		68	36	*	*	*	*	167	- 31	0	0	3	- 2	0.38	- 0.53	33	- 33	18	-18
5. ENGLAND, S.E.		68	37	*	*	*	*	192	- 38	0	0	4	- 1	0.38	- 0.63	58	- 19	32	-10
Western																			
6. SCOTLAND, WEST		69	35	*	*	*	*	163	- 12	0	0	3	- 4	0.41	- 1.31	81	+ 17	44	+ 9
7. ENGLAND, N.W.		69	34	*	*	*	*	168	- 28	0	0	2	- 4	0.11	- 1.16	68	+ 4	37	+ 2
8. ENGLAND, S.W.		68	36	*	*	*	*	191	- 21	0	0	2	- 4	0.23	- 1.05	78	+ 5	43	+ 3
9. IRELAND, NORTH		69	37	*	*	*	*	174	- 8	0	0	3	- 5	0.19	- 1.20	66	+ 10	36	+ 6
10. IRELAND, SOUTH		68	41	*	*	*	*	185	- 13	0	0	3	- 4	0.19	- 1.12	57	- 9	31	- 5
11. ENGLISH CHANNEL		68	47	*	*	*	*	230	- 20	0	0	3	- 3	0.21	- 0.83	81	- 10	45	- 5
THE YEAR.—Aggregates, &c., for the Period of 37 Weeks, January 2nd to September 17th, 1910.																			
0. SCOTLAND, NORTH		82	2	*	*	*	*	1749	+ 42	595	+ 38	167	- 2	35.22	+1.91	997	+ 62	29	+ 2
Eastern																			
1. SCOTLAND, EAST		80	-10	*	*	*	*	1820	-116	636	+ 15	147	+ 7	23.04	+2.51	1089	- 24	31	- 1
2. ENGLAND, N.E.		81	6	*	*	*	*	2185	+ 45	454	- 21	138	+12	17.02	+0.50	1090	-112	32	- 3
3. ENGLAND, EAST		83	17	*	*	*	*	2487	+ 13	393	-128	141	+20	18.28	+2.50	1216	- 86	36	- 3
4. MIDLAND COUNTIES ..		83	10	*	*	*	*	2402	- 32	474	- 59	138	+18	19.20†	+1.53	1106‡	- 59	32	- 2
5. ENGLAND, S.E.		81	13	*	*	*	*	2553	- 96	294	- 87	138	+23	19.56†	+2.44	1249	- 71	37	- 2
Western																			
6. SCOTLAND, WEST		81	0	*	*	*	*	2125	+ 47	432	+ 7	155	+ 8	33.59	+3.02	1158	+ 12	34	0
7. ENGLAND, N.W.		81	7	*	*	*	*	2250	- 13	338	- 48	156	+22	26.70	+4.22	1210	+ 49	35	+ 1
8. ENGLAND, S.W.		81	8	*	*	*	*	2415	- 89	242	- 59	147	+16	27.45	+3.52	1276	- 14	37	0
9. IRELAND, NORTH		79	7	*	*	*	*	2152	- 17	351	+ 6	171	+11	29.48	+1.23	1061	+ 14	31	0
10. IRELAND, SOUTH		79	18	*	*	*	*	2456	- 28	258	- 1	174	+32	30.59	+4.10	1126	- 47	33	- 1
11. ENGLISH CHANNEL		79	28	*	*	*	*	2755	- 81	54	- 55	145	+ 6	22.68	+2.96	1430	-137	42	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† The corresponding Values for No. 34 altered owing to the receipt of further information.

‡ In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

§ The corresponding values for No. 36 altered, owing to receipt of further information.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).		No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.	
						Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°									
0. SCOTLAND, N.	a, Islands.	57	15th	40	17th	55.3	45.4	50.1	—	Day	Day	4	Ins. 0.11	Ins. —	Hrs. 26.1	Hrs. —	% 23	% —	Baltasound.	
	a Sumburgh Head ..	60	14th	45	12th	56.0	47.0	51.3	+ 0.5	57	57	4	0.07	- 0.69	22.8	- 2.9	25	- 3	Deerness.	
	a Stornoway ..	61	14th, 17th	44	12th, 15th	59.1	47.9	53.2	+ 1.2	78	78	0	0.07	- 0.94	21.7	- 5.4	24	- 6	Stornoway.	
	a Castletay, Barra Isd.	63	11th	49	12th, 14th	58.3	50.7	54.3	+ 1.3	86	86	0	0.06	—	37.7	—	41	—	Castletay.	
	a Wick ..	64	16th	38	12th	58.7	43.7	50.8	- 1.3	62	62	0	0.19	- 0.50	—	—	—	—	Strathpeffer.	
	b, Main-land.	p Strathpeffer ..	66	17th	37	14th	61.6	45.0	52.9	+ 0.6	76	76	0	0.03	- 0.54	46.9	+19.7	52	+22	Strathpeffer.
1. SCOTLAND, E. ..	p Glencarron ..	66	17th	36	14th	61.0	43.7	51.9	+ 0.8	69	69	0	0.11	- 1.81	—	—	—	—	Fort Augustus.	
	p Fort Augustus ..	68	17th	35	14th	62.7	42.6	52.2	- 0.7	71	71	0	0.00	- 0.90	47.0	+27.4	52	+30	Fort Augustus.	
	p Fort William ..	67	13th	38	14th, 17th	64.5	43.0	53.2	- 0.2	78	78	0	0.00	- 1.65	—	—	—	—	—	
	p Gordon Castle ..	66	16th	36	15th	60.2	42.3	50.8	- 2.7	62	62	0	0.10	- 0.50	31.8	—	35	—	Gordon Castle.	
	a Nairn ..	65	16th	36	14th	60.6	41.7	50.7	- 2.4	62	62	1	0.09	- 0.41	38.7	—	43	—	Nairn.	
	a Aberdeen ..	64	16th	42	16th	58.9	46.3	52.3	- 0.9	72	72	0	0.01	- 0.50	21.1	- 8.4	23	- 9	Aberdeen.	
2. ENGLAND, N.E.	a Balmoral ..	68	12th	32	14th	65.3	39.6	51.8	+ 1.9	79	79	0	0.00	- 0.66	25.8	—	28	—	Crathes S.	
	p Crieff ..	77	11, 16, 17th	39	16th, 17th	64.9	45.2	54.6	+ 0.7	88	88	0	0.10	- 0.65	42.3	—	47	—	Balruidery.	
	a Leith ..	64	17th	40	16th	58.9	48.1	53.2	- 1.8	78	78	0	0.10	- 0.34	—	—	—	—	Edinburgh.	
	a West Linton ..	64	17th	30	16th	58.2	42.3	49.9	- 2.2	55	55	0	0.03	—	33.4	—	37	—	West Linton.	
	p Marchmont ..	63	17th	37	16th	56.7	44.6	50.4	- 2.1	59	59	0	0.05	- 0.58	22.1	- 6.2	25	- 7	Marchmont.	
	a Alnwick Castle ..	62	17th	37	16th, 17th	56.7	43.8	49.9	- 3.7	55	55	0	0.02	- 0.54	24.7	—	27	—	Cockle Park.	
3. ENGLAND, E.	a Shields ..	62	17th	42	17th	57.9	46.7	52.0	- 2.6	70	70	0	0.10	- 0.34	3.8	-15.4	10	-17	Newcastle.	
	p Durham ..	63	17th	35	17th	57.8	44.3	50.7	- 3.7	61	61	0	0.08	- 0.37	23.0	- 5.3	26	- 6	Durham.	
	p Rounton ..	63	17th	34	17th	57.1	44.7	50.6	- 3.4	60	60	0	0.10	- 0.33	—	—	—	—	—	
	p Scarborough ..	64	17th	46	13th, 17th	60.1	50.3	55.0	- 0.6	91	91	0	0.07	- 0.39	24.5	—	27	—	Scarborough.	
	p York ..	66	11th	41	13th	60.8	46.9	53.3	- 2.5	79	79	0	0.03	- 0.39	21.9	- 6.8	24	- 8	York.	
	a Spurn Head ..	61	17th	47	13th, 14th	58.1	51.6	54.7	- 2.1	89	89	0	0.06	- 0.29	—	—	—	—	—	
4. MIDLAND COUNTIES.	a Lincoln ..	62	11th, 17th	39	13th	58.5	48.8	53.4	- 3.0	80	80	0	0.16	- 0.26	25.0	—	28	—	Skegness.	
	a Fulbeck ..	65	17th	40	13th	60.2	48.9	54.3	- 2.1	86	86	0	0.64	+ 0.21	16.4	—	18	—	Rauceby.	
	p Cromer ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Lowestoft.		
	p Hillington ..	65	11th	40	13th	60.3	48.8	54.3	- 2.0	86	86	0	1.10	+ 0.53	22.0	-11.4	24	-13	Hillington.	
	a Yarmouth ..	64	11th, 15th	48	13th	61.4	52.3	56.6	- 0.4	102	102	0	1.22	+ 0.75	25.1	—	28	—	Yarmouth.	
	a Norwich ..	63	11th	45	13th	60.7	50.5	55.4	- 1.6	94	94	0	1.23	+ 1.18	19.6	-17.6	22	-20	Geldeston.	
5. ENGLAND, S.E...	p Geldeston ..	63	11th	43	13th	60.9	50.1	55.2	- 1.4	92	92	0	0.06	+ 0.52	17.7	-18.3	20	-21	Cambridge.	
	p Cambridge ..	63	11th, 15th	43	13th	61.5	50.0	55.5	- 1.8	95	95	0	0.95	+ 0.52	17.7	-18.3	20	-21	Felzestove.	
	a Felzestove ..	66	16th	43	13th	63.3	51.0	56.9	- 0.8	104	104	0	0.85	+ 0.29	29.0	—	33	—	Clacton.	
	a Clacton-on-Sea ..	67	15th	44	13th	63.0	51.0	56.7	- 0.8	103	103	0	0.95	+ 0.16	24.6	—	28	—	Rothamsted.	
	a Rothamsted ..	64	11th	44	13th	60.4	49.5	54.7	- 1.1	89	89	0	0.66	+ 0.16	16.8	-18.2	19	-20	Southend.	
	a Shoeburyness ..	65	15th	44	13th	63.3	51.1	56.9	- 2.1	104	104	0	0.81	+ 0.39	22.5	—	25	—	Tottenham.	
6. LONDON ..	p Tottenham ..	64	13th, 15th	45	13th	62.6	51.5	56.8	- 0.8	104	104	0	0.64	+ 0.21	22.8	—	26	—	—	
	a Harrogate ..	62	17th	41	13th, 17th	57.1	46.5	51.6	- 2.5	67	67	0	0.10	- 0.48	24.3	—	27	—	Harrogate.	
	a Bawtry ..	64	17th	39	13th	59.6	46.4	52.7	- 2.8	75	75	0	0.04	- 0.35	16.8	-11.6	19	-13	Worksop.	
	p Buxton ..	60	11th	42	17th	56.2	46.0	50.9	- 1.7	62	62	0	0.02	- 0.35	15.5	—	15	—	Buxton.	
	a Nottingham ..	63	11th	42	13th	58.7	48.3	53.3	- 2.6	79	79	0	0.67	+ 0.21	18.1	—	20	—	Nottingham.	
	p Birmingham, Edgbn	64	11th	47	14th	57.7	50.0	53.7	- 2.1	82	82	0	0.47	+ 0.42	1.7	—	2	—	Birmingham.	
7. MIDLAND COUNTIES.	a Raunds ..	65	11th	40	13th	60.1	49.1	54.3	- 1.7	86	86	0	0.47	+ 0.42	1.7	—	2	—	—	
	a Oxford ..	65	11th	46	13th, 14th	60.3	49.3	54.5	- 2.2	88	88	0	0.37	- 0.06	18.5	-21.3	15	-24	Oxford.	
	a Chaddle ..	64	11th	42	12th, 16th	57.2	45.9	51.3	- 2.9	65	65	0	0.04	- 0.58	11.1	—	12	—	Sheffield.	
	p Shrewsbury ..	65	11th	38	17th	60.2	47.9	53.8	- 2.4	83	83	0	0.35	- 0.01	—	—	—	—	—	
	a Hereford ..	65	11th	45	14th	59.8	49.6	54.5	- 1.6	89	89	0	0.47	+ 0.01	—	—	—	—	—	
	a Cirencester ..	65	11th, 12th	45	14th	60.2	48.6	54.1	- 0.9	85	85	0	0.23	- 0.28	6.1	-27.5	7	-31	Cirencester.	
8. ENGLAND, S.W...	a Bath ..	67	11th	44	14th	61.8	50.3	55.5	- 1.6	95	95	0	0.15	- 0.41	12.5	—	14	—	Bath.	
	p Kew ..	65	11th, 15th	46	13th	62.2	51.3	56.5	- 0.3	102	102	0	0.40	- 0.09	19.2	-15.1	22	-17	Ramsgate.	
	a Marlborough ..	64	11th	44	13th, 14th	60.0	47.6	53.5	- 1.3	81	81	0	0.23	- 0.26	12.2	-19.6	14	-22	Kew.	
	a Margate ..	63	11, 12, 13, 15, 16	51	13th	62.6	54.2	58.2	- 0.5	113	113	0	1.02	+ 0.56	25.0	-10.9	23	-12	Marlborough.	
	a Wisley, Surrey ..	65	11th	41	13th	62.1	49.3	55.4	- 2.2	94	94	0	0.57	+ 0.16	17.0	—	19	—	Margate.	
	p Swaraton ..	64	11th	39	13th	61.0	48.1	54.2	- 1.5	85	85	0	0.16	- 0.39	35.3	—	40	—	Wisley.	
9. ENGLAND, S.W...	a Tunbridge Wells ..	64	11th, 12th	42	13th	61.6	49.2	55.1	- 1.5	92	92	0	0.39	- 0.15	27.1	-10.5	31	-12	Worthing.	
	a Dungeness ..	65	11, 12, 15, 16	42	13th	63.9	50.4	56.8	- 1.9	104	104	0	0.34	- 0.15	38.7	—	44	—	Tunbridge Wells.	
	p Hastings ..	66	16th	45	13th	63.7	51.5	57.3	- 1.2	107	107	0	0.12	- 0.49	37.2	- 3.0	42	—	Littlestone.	
	p Southampton ..	68	11th	46	14th	63.7	51.0	57.1	- 1.6	106	106	0	0.13	- 0.41	28.1	-10.3	32	-12	Hastings.	

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	52.8	—	Harrogate	0	32	54.2	54.3	6. Dumfries	0	31	56.9	57.0
1. Aberdeen	—	—	—	52.9	Huddersfield ..	1	29	55.6	55.0	Douglas	0	40	—	—
Crathes	0	32	55.5	54.8	Buxton	0	35	53.9	53.5	Aspatia	0	31	54.7	54.1
Balmoral	1	28	—	—	Sheffield	1	30	54.7	55.0	Newton Rigg ..	1	30	56.0	55.1
West Linton ..	2	28	—	—	Nottingham ..	0	38	55.5	57.1	Burnley	1	30	54.1	54.0
Marchmont ..	0	31	53.4	—	Birmingham ..	0	39	52.9	53.0	Southport	0	36	57.2	58.2
Cockle Park ..	0	33	52.2	53.0	Oxford	0	36	—	—	Manchester City ..	0	39	55.6	57.0
Durham	0	33	—	—	Hereford	0	37	56.2	56.1	Bettws-y-Coed ..	0	41	53.9	54.4
York	—	—	56.8	56.6	Cirencester ..	—	—	60.0	60.0	Llangammarch Wells	1	30	55.5	55.1
Hull	0	35	55.4	55.9	Bath	—	—	—	—	Cardiff	0	36	58.0	57.6
Lincoln	—	—	56.1	56.1	Margate	0	47	57.9	57.3	Clifton	0	39	—	—
Raunceby	0	38	57.1	56.4	Greenwich	0	36	—	—	Plymouth	0	46	—	—
Norwich	0	39	—	—	Westminster ..	0	42	—	—	8. Llangammarch Wells	1	30	55.5	55.1
Yarmouth	—	—	59.1	59.1	Kew	0	33	56.6	57.0	Cardiff	0	36	58.0	57.6
Lowestoft	0	43	59.4	58.9	Canterbury ..	0	43	56.6	57.9	Clifton	0	39	—	—
Cambridge	0	35	56.6	57.3	Tunbridge Wells ..	0	36	57.6	—	9. Armagh	0	31	57.2	58.9
Clacton-on-Sea ..	0	38	57.8	58.1	Wisley	0	34	57.7	57.9	Markree	1	30	57.4	56.9
Southend	0	44	59.3	—	Worthing	0	38	58.7	59.2	10. Dublin, Trin. Coll. ..	0	38	57.9	57.1
Tottenham	0	38	—	58.9	Portsmouth	0	41	58.6	59.0	11. Guernsey, Brooklyn	0	44	60.3	60.4
					6. Glasgow	0	36	—	—					
					Rothsay	—	—	—	54.0					
					Colmonell	0	34	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	53	53	53.0	SCOTLAND, W.	Lamlash	55	54	54.6
	Kirkwall	54	52	53.0		Ballantrae	57	52	55.0
	Wick	54	53	53.1	ENGLAND, N.W.	Port Erin	59	56	56.5
	Cromarty	56	54	55.3		Newquay	62	60	60.9
SCOTLAND, E.	Pennan Bay ..	55	51	52.9	ENGLAND, S.W.	Scilly	60	57	58.0
	Aberdeen, Cove Bay ..	55	55	55.0		Plymouth	59	58	58.3
ENGLAND, N.E.	Burnmouth, Berwick ..	53	51	51.9		Salcombe	60	57	58.2
	Scarborough	57	51	55.1	IRELAND, N.W.	Sheephaven	59	58	58.8
ENGLAND, E.	Shipwash Lightship ..	61	60	60.4		Teelin	60	57	58.7
ENGLAND, S.E.	Margate	62	59	60.0	IRELAND, S.W.	Cleggan	58	53	55.9
	Eastbourne	66	59	59.3	IRELAND, E.	Seafield	63	57	59.5

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

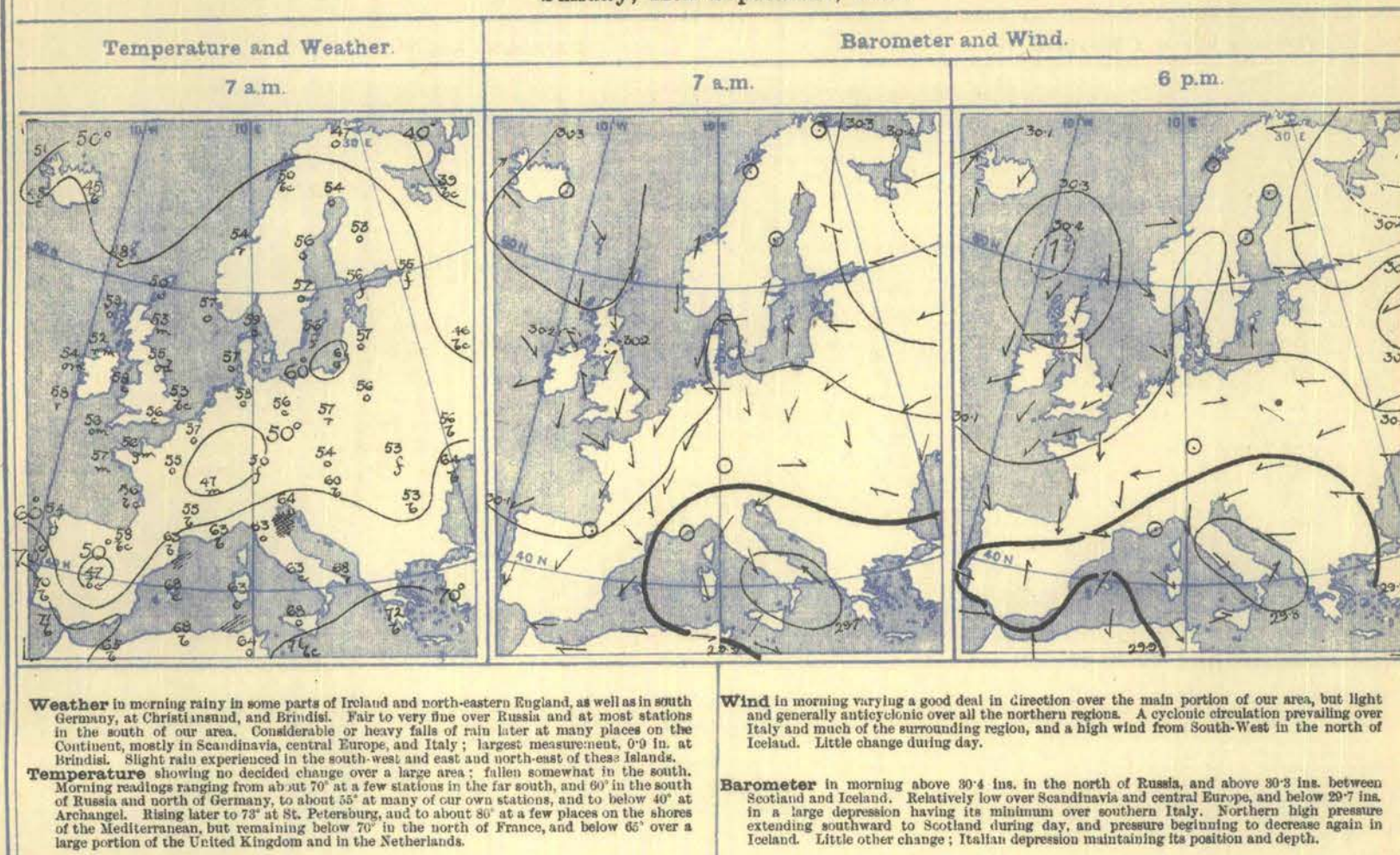
Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough seas, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 3.36 a.m. in Portugal; and at 8 a.m. in Spain.

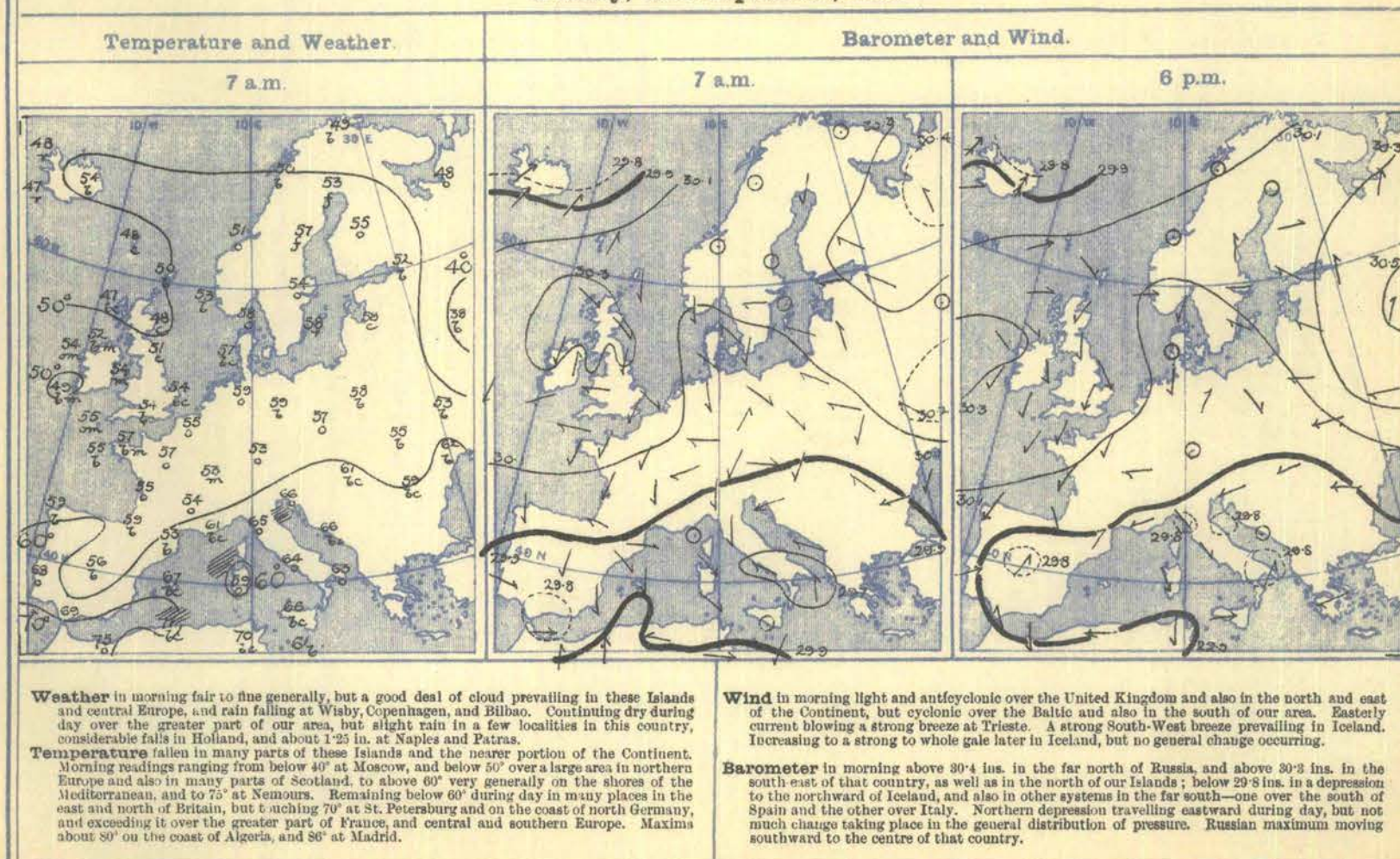
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

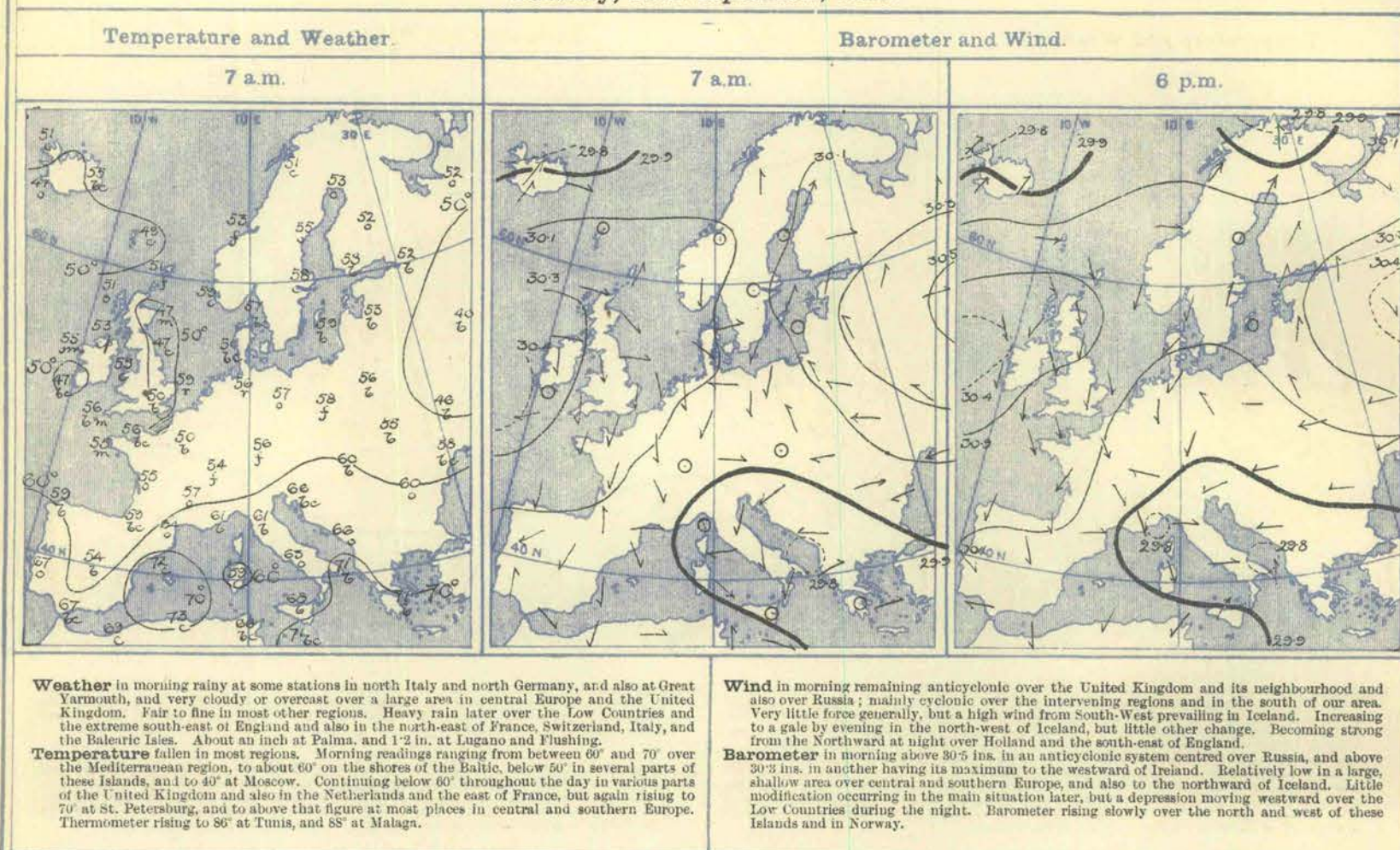
Sunday, 11th September, 1910.



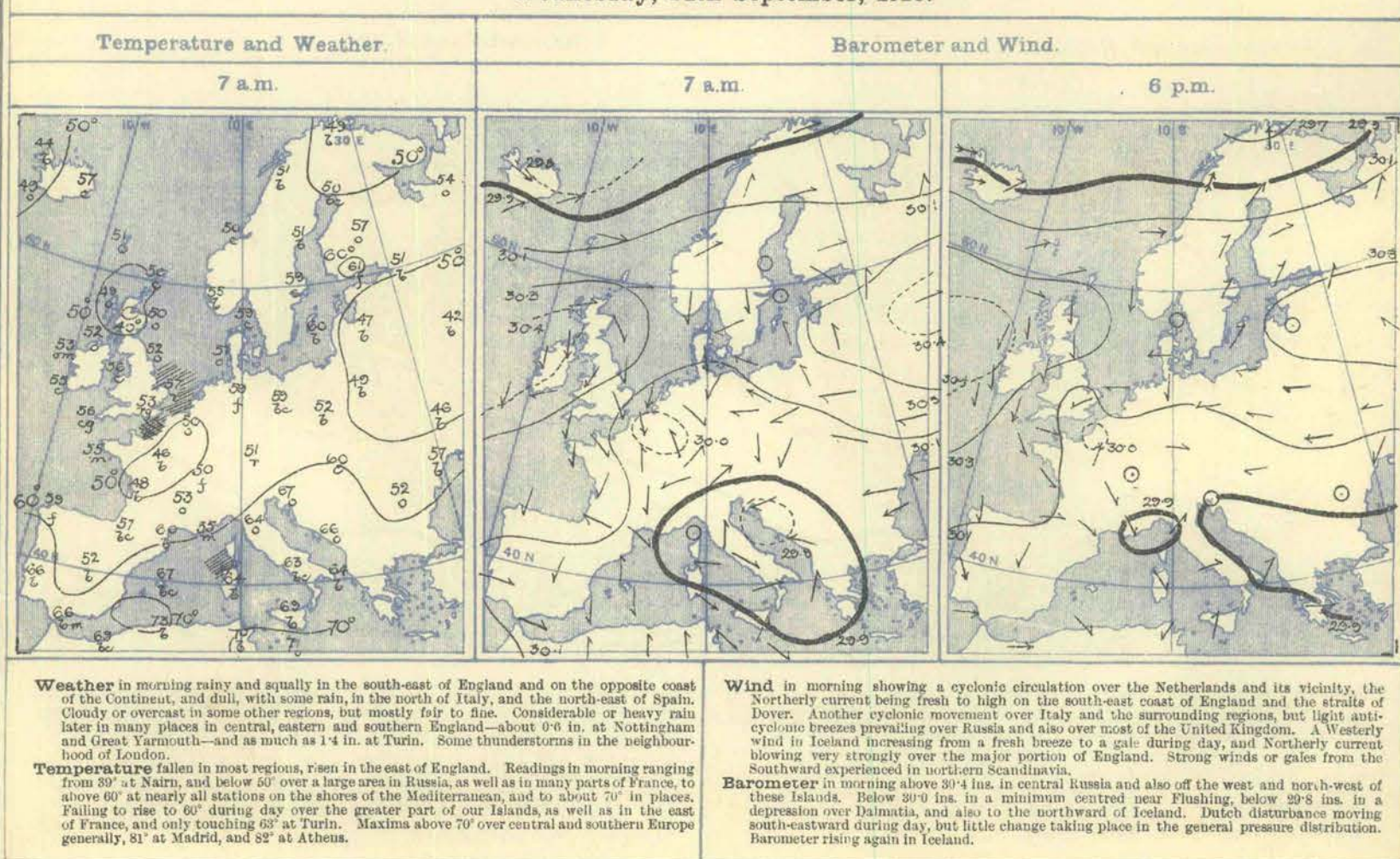
Monday, 12th September, 1910.



Tuesday, 13th September, 1910.



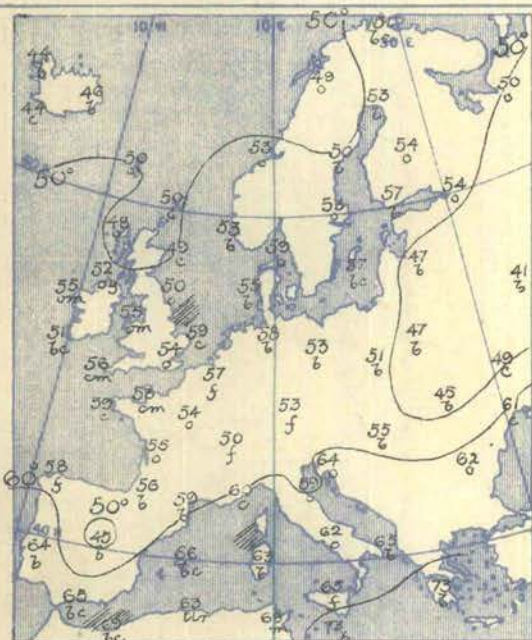
Wednesday, 14th September, 1910.



Thursday, 15th September, 1910.

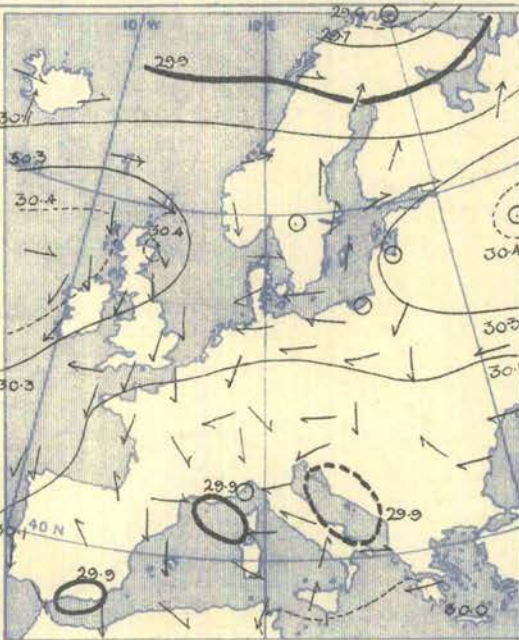
Temperature and Weather.

7 a.m.

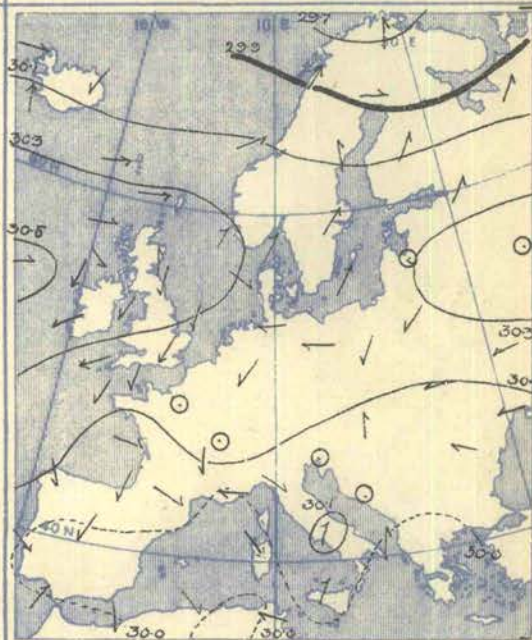


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to very fine over the greater portion of our area, but very cloudy or overcast at most of our own stations, in the north of France, and in Italy, with rain at Havre and Turin. A thunderstorm in progress at Algiers. Some rain later at Jersey, and heavy falls at Brest, Gap, and Marseilles, as well as at Turin and in the west of Norway. Thunder and lightning occurring at Wick.

Temperature changed rather irregularly. Morning readings ranging from about 70° over a considerable area in the extreme south, to below 50° over the north of Great Britain and a large part of Russia, and to 41° at Nairn and Moscow. Maxima during day about 65° at a few places in the south of England, but below 60° at several of our northern stations. Thermometer rising to 70° or higher in the south of Europe and at many stations in the central countries, and touching 93° at Tunis.

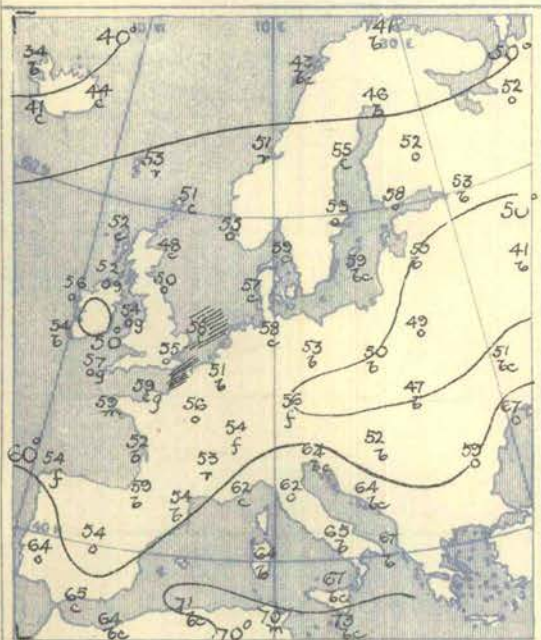
Wind in morning anticyclonic over the United Kingdom and also in the east of our area, and of little force generally. Light cyclonic breezes prevailing in the south, and a moderate to strong current from the Westward and South-Westward in the north. No change of importance during day.

Barometer in morning above 30.3 ins. in an anticyclonic system extending over these Islands from the Atlantic, and above 30.4 ins. in central Russia. Decreasing to below 29.6 ins. in the extreme north of the Continent, and to below 30.0 ins. over a very extensive area in the south. No material change later in the general distribution of pressure, but some increase taking place over these Islands and their neighbourhood.

Friday, 16th September, 1910.

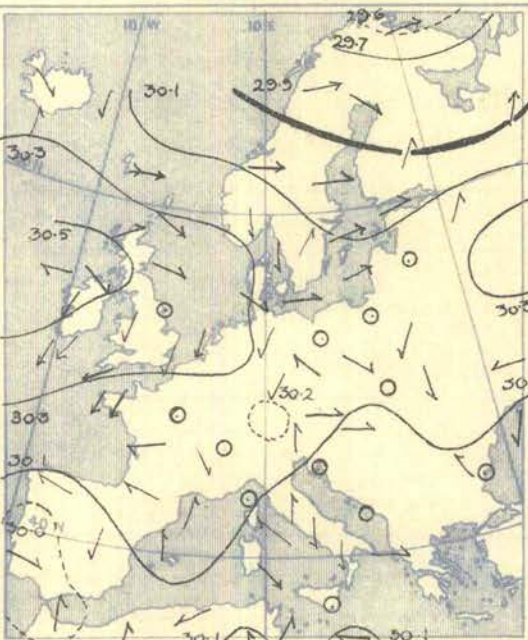
Temperature and Weather.

7 a.m.

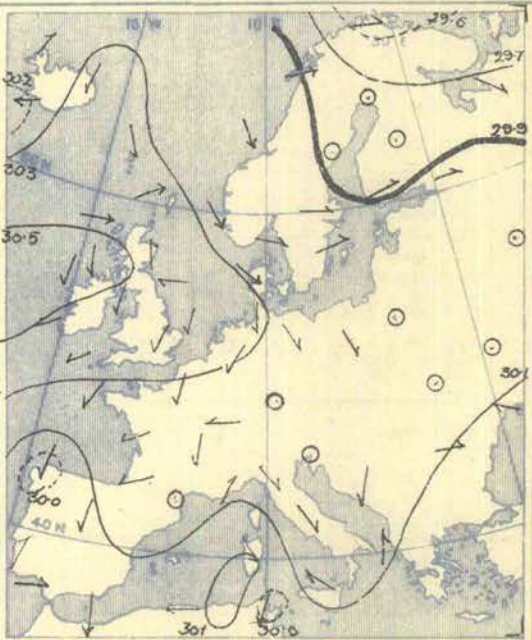


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast at most of our own stations and in the north of France, and in a few localities elsewhere. Rain falling at Skudesnes, Thorshavn, in some parts of France, and at Lemberg. As much as 1.4 in. of rain later at Christiansund, and rather more than an inch at Lempio and also at Madrid, but general condition continuing dry.

Temperature changed little and rather irregularly as a whole, fallen in the north of Scandinavia. Readings in morning ranging from 41° at Vardø and Moscow, and 43° at Nairn, to above 60° over the south of our area generally, and to 70° in places. Maxima during day above 75° at many places in the south of our area, and about 70° over the greater portion of France. Thermometer falling to reach 60° in many parts of these Islands.

Wind in morning anticyclonic throughout these Islands and in their immediate neighbourhood the North-Easterly current blowing freshly or strongly on our south and south-east coasts. A Westerly gale prevailing at Thorshavn, and a strong Westerly breeze in Norway. Rather variable cyclonic breezes general in the Mediterranean region. Veering to the North-Westward by evening in the west of Norway and continuing strong, but gale at Thorshavn decreasing to a gentle breeze. Wind shifting to the Eastward in the west of Iceland, and blowing a strong breeze at Reykjavik.

Barometer in morning 30.3 ins. to above 30.5 ins. in an anticyclone extending from the Atlantic over the United Kingdom and the North Sea, and above 30.3 ins. in central Russia; below 30.0 ins. in two shallow minima in the south of our area, and below 29.6 ins. in the far north of Scandinavia. Scarcely any change occurring later in the general distribution, but a depression beginning to affect the barometer in the west of Iceland.

Saturday, 17th September, 1910.

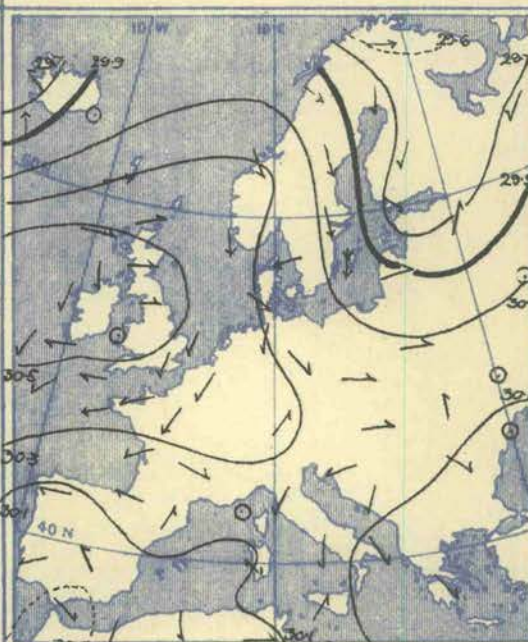
Temperature and Weather.

7 a.m.

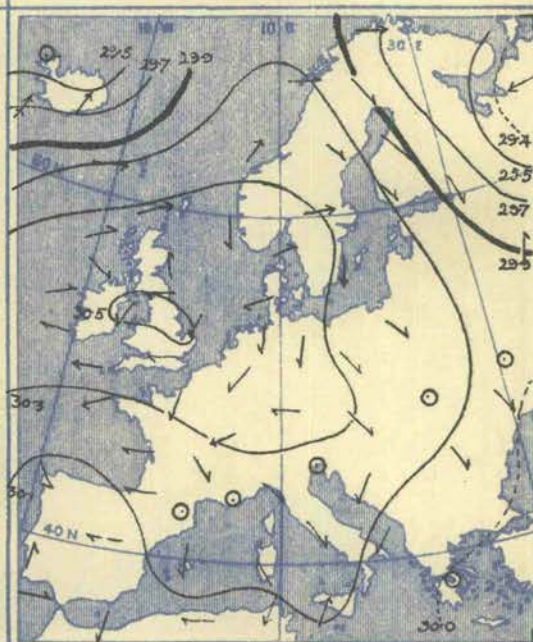


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or overcast in nearly all parts of the United Kingdom, and in some localities elsewhere; rain falling at the Helder, Madrid, Nemours, and Hermanstadt, and a thunderstorm prevailing at Helsingfors. Rain very general in Iceland. Sky only partly clouded over the larger portion of the Continent. Some rain later in the north of Scandinavia and 0.8 in. at Archangel. Very heavy falls in some parts of the Spanish Peninsula; 2.1 ins. at Lisbon, and 3.0 ins. at Alicante.

Temperature fallen over Scandinavia, risen in Scotland. Morning readings ranging from above 65° at several stations in the far south to below 50° over considerable patches in central Europe and this country, and to below 40° in the north of Sweden. Maxima during day about 60° over a large portion of this country and the Netherlands, but above 70° very generally in southern Europe, and above 80° in a few localities. Thermometer falling to 30° at night in the north of Sweden.

Wind in morning strong to a gale from the Northward in Scandinavia and from the North-Westward on the coast of Jutland. Light variable airs general over the Mediterranean region, and light to moderate anticyclonic breezes throughout the United Kingdom. Wind decreasing greatly later in Scandinavia and Denmark, but increasing to a high wind or gale from the South-Westward in Iceland, and to a strong breeze from West at Thorshavn.

Barometer in morning above 30.5 ins. over nearly the whole of this country and the adjacent portion of the ocean; below 29.7 ins. in a depression over Finland, and below 29.7 ins. in a disturbance advancing over Iceland. Anticyclonic centre moving eastward later, and pressure giving way steadily over the whole of this country. A large and deep disturbance travelling eastward over the Icelandic region.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90° = E, 180° = S, 270° = W, and 360° = N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						200 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Sept. 14th, 10.30 a.m. to 12.10 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	285.8° 93% 330°, 6-13	283° 98% 360°, 15.7	281° 100% 20°, 19						{ Overcast nimbus to almost clear. Lowest clouds 320 m. above sea. Strongest pull of Kite, 110 lbs.
2	Sept. 18th, 10.0 a.m. to 12.0 noon.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	280.5° 75% 80°, 9.8	285.2° 75% 80-100°, 12	282° 90% 7°, 8					280.8° 95% 7°, 8	{ Nearly overcast, light Cu. to clear sky. Kite in cloud at 500 m. and above.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2
No. of Kites ..	1	1
Area of Surface (sq. metres) ..	4.5	7
Length of Wire (metres) ..	750	1,100

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 38. THIRTY-EIGHTH WEEK, SUNDAY, SEPTEMBER 18TH, TO SATURDAY, SEPTEMBER 24TH, 1910.

Vol. XXVII. (New Series.)

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was again fair to fine and dry over the Kingdom generally, but slight falls of rain were rather frequent in the extreme north of Scotland, and many other parts of the Kingdom experienced a little precipitation some time during the week.

Temperature was below the average, the deficit amounting to between 2° and 4° over the greater part of England. The highest of the maxima were recorded on rather variable dates, and ranged from 71° in England N.E. and 70° in the Midland Counties to 62° in Scotland N. The minima were lower than of late in all districts; at most stations they occurred either on the 20th or 21st. In England S.W. (at Llangammarch Wells on the 21st) the thermometer fell to 27°, and in England S.E. and Scotland E. and W. to 32°. In Ireland and in England E. the lowest reading was 36°, and in the English Channel 41°. The lowest of the grass minima were 19° at Llangammarch Wells, 25° at Sheffield, and 27° at Birmingham, Burnley, Dumfries and West Linton.

Mean Temperature of the Sea. On most parts of the coast the temperature of the water was very similar to that experienced during the corresponding week of last year. The means for the period ranged from 59° at the Shipwash Lightship, Margate and Newquay to 54° at Lamlash, and to about 52° at Lerwick and Kirkwall.

Rainfall. In all the English and Irish districts the fall was less than 0.1 in. while over a large area in the southern, south-western and Midland Counties the week was rainless. In Scotland the total fall was much less than the normal, many places recording less than 0.1 in. At Leith there was no measurable amount.

Bright Sunshine was less than the normal in Ireland and in Scotland N., and just equal to it in England N.W., but elsewhere there was an excess. The percentage of the possible duration ranged from 57 in England S.E., 54 in the English Channel, and 50 in England S.W. to 23 in Ireland N., and to 18 in Scotland N.

Barometer and Wind. Anticyclonic conditions again prevailed over the United Kingdom. At the beginning of the period the pressure maximum was situated to the eastward, but a fresh maximum subsequently approached from the north-westward, and gradually moved southward off our western coasts until towards the end of the week it lay off the south-west coast. The winds were very light to moderate in force, and mainly Westerly in the north, North-Westerly to Northerly in the east, and Northerly to North-Easterly in the south and south-west. Quite at the end of the period a depression appeared off the south-west of England, and the barometer became highest over the North Sea region.

THE WEEK.

DISTRICTS OF THE BRITISH ISLES.												
For explanation of the terms "Unusual, &c., see p. 300.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year ...	...	...	...	...	...	...	...	...	...	...	...	...
Warmth ...	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient
Rainfall ...	Light	Light	Light	Light	Light	Nought	Light	Light	Nought	Light	Light	Nought
Sunshine ...	Scanty	Abundant	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Abundant	Scanty	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 3 weeks from Sept. 4th, 1910.	Warmth ...	0 * 0	0 * 1	0 * 3	0 * 2	0 * 2	0 * 3	0 * 0	0 * 3	0 * 2	0 * 1	0 * 2	0 * 2
		0 * 3	0 * 3	0 * 3	1 * 2	0 * 2	0 * 2	0 * 3	0 * 3	0 * 3	0 * 3	0 * 3	0 * 2
		2 * 1	1 * 0	0 * 2	0 * 2	0 * 2	1 * 2	2 * 0	1 * 0	2 * 1	1 * 1	0 * 0	0 * 2
		...	...	...	...	...	...	...	...	...	...	...	...

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
		5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
		...	...	...	...	...	...	...	...	...	...	...	...
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
		10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
		...	...	...	...	...	...	...	...	...	...	...	...
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
		6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
		...	...	...	...	...	...	...	...	...	...	...	...
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
		4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
		5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6
		...	...	...	...	...	...	...	...	...	...	...	...

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

THIRTY-EIGHTH WEEK—September 18th to September 24th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	62	34	55.8	46.3	50.8	- 0.4	Day-deg. 62	Day-deg. - 3	Day-deg. 0	Day-deg. - 1	5	0	Inches. 0.56	Inches. - 0.50	16	- 7	% 18	% - 9
Eastern																		
1. SCOTLAND, EAST	69	32	58.7	44.1	51.0	- 0.7	63	- 6	0	- 1	2	- 1	0.16	- 0.38	31	+ 4	36	+ 5
2. ENGLAND, N.E.	71	35	60.3	43.7	51.6	- 2.3	67	- 16	0	0	1	- 2	0.05	- 0.30	34	+ 4	40	+ 5
3. ENGLAND, EAST	68	36	61.3	45.8	53.2	- 2.4	78	- 18	0	0	2	- 1	0.08	- 0.34	39	+ 4	45	+ 5
4. MIDLAND COUNTIES	70	33	60.5	42.4	51.0	- 3.4	63	- 24	0	- 1	1	- 2	0.01	- 0.43	33	+ 3	39	+ 4
5. ENGLAND, S.E.	68	32	62.2	44.8	53.1	- 3.7	78	- 25	0	0	0	- 3	0.00	- 0.47	49	+ 14	57	+ 16
Western																		
6. SCOTLAND, WEST	65	32	57.9	45.8	51.6	- 1.2	67	- 9	0	0	2	- 1	0.12	- 0.81	30	+ 1	34	+ 1
7. ENGLAND, N.W.	66	34	58.3	44.7	51.2	- 3.4	64	- 24	0	0	1	- 3	0.04	- 0.62	29	0	34	0
8. ENGLAND, S.W.	66	27	60.4	44.4	52.0	- 3.9	70	- 27	0	0	0	- 4	0.00	- 0.69	43	+ 10	50	+ 12
9. IRELAND, NORTH	65	36	57.8	46.1	51.7	- 1.9	68	- 14	0	0	1	- 3	0.04	- 0.65	20	- 6	23	- 7
10. IRELAND, SOUTH	65	36	59.4	45.7	52.2	- 2.7	71	- 19	0	0	1	- 2	0.01	- 0.63	30	- 1	35	- 1
11. ENGLISH CHANNEL	68	44	62.5	50.3	56.1	- 2.7	99	- 19	0	0	0	- 4	0.00	- 0.58	47	+ 4	54	+ 5
THE SEASON (Autumn).—Aggregates, &c., for the Period of 3 Weeks, September 4th to September 24th, 1910.																		
0. SCOTLAND, NORTH	68	34	*	*	*	*	295	- 13	0	- 1	9	- 5	0.88	- 2.08	79	+ 6	29	+ 2
Eastern																		
1. SCOTLAND, EAST	70	30	*	*	*	*	201	- 34	0	- 2	5	- 5	0.48	- 1.02	92	+ 5	34	+ 2
2. ENGLAND, N.E.	71	34	*	*	*	*	224	- 49	0	0	5	- 4	0.31	- 1.10	71	- 26	26	- 10
3. ENGLAND, EAST	68	36	*	*	*	*	264	- 46	0	0	8	0	1.24	- 0.05	77	- 32	29	- 12
4. MIDLAND COUNTIES	70	33	*	*	*	*	230	- 55	0	- 1	4	- 4	0.39	- 0.96	66	- 30	25	- 11
5. ENGLAND, S.E.	68	32	*	*	*	*	270	- 63	0	0	4	- 4	0.38	- 1.10	107	- 5	40	- 2
Western																		
6. SCOTLAND, WEST	69	32	*	*	*	*	230	- 21	0	0	5	- 5	0.53	- 2.12	111	+ 18	41	+ 7
7. ENGLAND, N.W.	69	34	*	*	*	*	232	- 52	0	0	3	- 7	0.15	- 1.78	97	+ 3	36	+ 1
8. ENGLAND, S.W.	68	27	*	*	*	*	261	- 48	0	0	2	- 8	0.23	- 1.74	121	+ 16	45	+ 6
9. IRELAND, NORTH	69	36	*	*	*	*	242	- 22	0	0	4	- 8	0.23	- 1.85	86	+ 4	32	+ 2
10. IRELAND, SOUTH	68	36	*	*	*	*	256	- 32	0	0	4	- 6	0.20	- 1.75	87	- 9	32	- 4
11. ENGLISH CHANNEL	68	44	*	*	*	*	329	- 39	0	0	3	- 7	0.21	- 1.41	128	- 5	48	- 2
THE YEAR.—Aggregates, &c., for the Period of 33 Weeks, January 2nd to September 24th, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	1811	+ 39	595	+ 37	172	- 2	35.78	+ 1.41	1013	+ 55	28	+ 2
Eastern																		
1. SCOTLAND, EAST	80	- 10	*	*	*	*	1883	- 122	636	+ 14	149	+ 6	23.20	+ 2.13	1120	- 19	31	- 1
2. ENGLAND, N.E.	81	6	*	*	*	*	2252	+ 29	454	- 21	139	+ 10	17.07	+ 0.20	1124	- 108	32	- 3
3. ENGLAND, EAST	83	17	*	*	*	*	2505	- 5	393	- 128	143	+ 19	18.36	+ 2.16	1255	- 81	36	- 2
4. MIDLAND COUNTIES	83	10	*	*	*	*	2465	- 56	474	- 60	139	+ 16	19.21	+ 1.10	1139	- 56	33	- 2
5. ENGLAND, S.E.	81	13	*	*	*	*	2631	- 121	294	- 87	138	+ 20	19.56	+ 1.97	1298	- 57	37	- 2
Western																		
6. SCOTLAND, WEST	81	9	*	*	*	*	2192	+ 38	432	+ 7	157	+ 7	33.71	+ 2.21	1188	+ 14	34	0
7. ENGLAND, N.W.	81	7	*	*	*	*	2314	- 37	338	- 48	157	+ 19	26.74	+ 3.60	1239	+ 48	35	+ 1
8. ENGLAND, S.W.	81	8	*	*	*	*	2485	- 116	242	- 59	147	+ 12	27.45	+ 2.83	1319	- 4	28	0
9. IRELAND, NORTH	79	7	*	*	*	*	2220	- 31	351	+ 6	172	+ 8	29.52	+ 3.58	1051	+ 8	31	0
10. IRELAND, SOUTH	79	18	*	*	*	*	2527	- 47	258	- 1	175	+ 20	30.60	+ 3.47	1156	- 48	33	- 1
11. ENGLISH CHANNEL	79	28	*	*	*	*	2854	- 100	54	- 55	145	+ 2	22.08	+ 2.38	1477	- 133	43	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 ‡ Dew.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *M* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					NAMES OF STATIONS.
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°	Below 42°	
0. SCOTLAND, N.	a, Islands.	p Baltasound	55	18th	40	19th, 24th	53.1	43.9	48.3	—	44	0	6	1.57	—	15.2	—	13	—	Baltasound.
		a Sumburgh Head	56	21st	39	20th	53.3	45.6	49.3	—	51	0	7	0.71	—	12.6	—	15	—	Deerness.
		a Stornoway	59	21st	41	20th	55.7	47.7	51.5	+ 0.4	67	0	6	0.71	—	10.4	—	22	—	Stornoway.
		a Castlebay, Barra Isd.	59	21st	44	20th	56.6	49.6	52.9	+ 1.4	76	0	3	0.19	—	26.6	—	31	—	Castlebay.
	b, Main-land.	a Wick	59	18th, 21st	38	20th	55.9	45.7	50.6	—	60	0	6	0.31	—	30.6	—	31	—	Strathpeffer.
		p Strathpeffer	62	23rd	39	20th	57.8	47.2	52.3	+ 0.9	72	0	1	0.12	—	11.0	—	18	—	Strathpeffer.
		p Glencarron	56	21st, 24th	39	20th	53.4	45.4	49.2	—	50	0	7	1.53	—	10.0	—	22	—	Fort Augustus.
1. SCOTLAND, E.		p Fort Augustus	62	24th	34	20th	57.0	45.1	50.8	—	62	0	3	0.13	—	19.0	—	22	—	Fort Augustus.
		p Fort William	62	24th	36	20th	57.6	47.1	52.1	—	71	0	5	0.39	—	1.30	—	22	—	Fort William.
		p Gordon Castle	63	23rd	40	20th	57.9	44.5	50.9	—	62	0	2	0.20	—	11.3	—	13	—	Gordon Castle.
		a Nairn	61	23rd	39	20th	57.0	45.9	51.2	—	64	0	3	0.27	—	20.7	—	24	—	Nairn.
		a Aberdeen	69	23rd	40	20th	60.3	44.9	52.2	—	71	0	2	0.16	—	20.0	+ 2.0	35	+ 2	Aberdeen.
		a Balmoral	65	21st	33	21st	58.0	41.1	49.1	+ 0.3	53	3	2	0.35	—	28.4	—	33	—	Balmoral.
		p Crieff	69	21st	38	20th	61.4	44.4	52.5	—	74	0	1	0.03	—	35.9	—	42	—	Balruddery.
2. ENGLAND, N.E.		a Leith	67	24th	40	20th	60.0	47.0	53.2	—	78	0	0	0.00	—	30.7	—	36	—	Edinburgh.
		a West Linton	62	24th	32	20th	56.5	41.5	48.6	—	48	1	3	0.14	—	30.7	—	36	—	West Linton.
		p Marchmont	66	24th	37	20th	58.4	43.3	50.5	—	60	0	2	0.12	—	38.0	+11.5	44	+13	Marchmont.
		a Alnwick Castle	67	24th	35	22nd	60.0	43.2	51.2	—	64	0	2	0.03	—	39.4	—	46	—	Cockle Park.
	a, North.	a Shields	65	24th	37	20th	59.9	41.6	50.3	—	60	1	2	0.08	—	26.7	+ 4.2	31	+ 5	Newcastle.
		p Durham	65	24th	36	20th, 22nd	59.5	41.8	50.2	—	58	1	1	0.01	—	41.2	+14.5	48	+17	Durham.
		p Rounton	64	24th	37	21st	58.4	41.0	49.3	—	55	3	2	0.02	—	4.38	—	34	—	Scarborough.
3. ENGLAND, E.	b, South.	p Scarborough	71	24th	44	21st	63.4	46.9	54.8	+ 0.1	90	0	2	0.09	—	29.2	—	34	—	York.
		p York	65	24th	38	21st	60.1	42.4	50.8	—	62	0	0	0.00	—	28.5	+ 1.3	33	+ 2	York.
		a Spurn Head	62	24th	46	21st	59.0	49.7	54.1	—	85	0	2	0.17	—	1.18	—	38	—	Skegness.
		a Lincoln	65	24th	37	21st, 22nd	60.6	43.5	51.6	—	67	0	1	0.01	—	32.4	—	38	—	Raueby.
		a Fulbeck	66	24th	37	21st	61.4	43.5	52.0	—	70	0	0	0.00	—	33.7	—	39	—	Lowestoft.
		p Cromer	65	24th	42	23rd	59.7	47.3	53.2	—	78	0	3	0.13	—	28.1	—	33	—	Cromer.
	a, North.	p Hillington	66	24th	42	23rd	61.3	45.5	53.0	—	77	0	3	0.17	—	30.5	+ 0.9	36	—	Hillington.
4. MIDLAND COUNTIES.		a Yarmouth	65	24th	44	20th, 23rd	60.6	47.3	53.6	—	81	0	2	0.13	—	29.1	—	34	—	Yarmouth.
		a Norwich	66	24th	42	20th, 21st	60.3	46.3	53.0	—	77	0	4	0.12	—	31.4	—	37	—	Geldeston.
		p Geldeston	68	24th	40	21st	61.9	45.3	53.2	—	78	0	3	0.14	—	31.4	+ 3.9	37	+ 5	Cambridge.
	b, South.	p Cambridge	66	24th	36	21st	61.2	43.7	52.1	—	71	0	0	0.00	—	37.1	+ 3.2	43	+ 4	Felstead.
		a Felstead	68	24th	41	21st	64.7	46.7	55.3	—	93	0	0	0.00	—	47.3	—	55	—	Clacton.
		a Clacton-on-Sea	66	19th, 24th	41	21st	62.7	45.9	53.9	—	83	0	0	0.00	—	51.9	—	60	—	Rothamsted.
		a Rothamsted	64	24th	38	21st	60.0	44.3	51.8	—	69	0	0	0.00	—	42.8	+ 9.8	50	+11	Southend.
5. ENGLAND, S.E.		a Shoeburyness	66	24th	40	21st	62.3	46.4	54.0	—	84	0	0	0.00	—	51.4	—	60	—	Tottenham.
		p Tottenham	67	19th, 24th	38	21st	63.6	46.7	54.7	—	89	0	0	0.00	—	56.9	—	66	—	Harrogate.
		a Harrogate	60	21, 22, 23, 24	38	21st	57.2	43.5	50.0	—	56	0	1	0.01	—	31.8	—	37	—	Workop.
		a Bawtry	64	19th	35	22nd	60.9	41.7	50.8	—	63	1	1	0.04	—	27.4	+ 0.6	32	+ 1	Buxton.
	a, East.	p Buxton	58	21st	34	21st	55.2	40.0	47.2	—	45	6	1	0.03	—	23.8	—	34	—	Nottingham.
		a Nottingham	63	22nd, 24th	36	21st	59.4	42.0	50.3	—	58	0	1	0.02	—	25.6	—	26	—	Birmingham.
		p Birmingham, Edgbsn	65	24th	39	21st	58.7	45.0	51.5	—	67	0	1	0.01	—	22.2	—	26	—	Oxford.
6. SCOTLAND, W.	b, West.	a Raunds	70	24th	34	21st	62.7	41.2	51.4	—	69	2	0	0.00	—	43.2	+10.4	50	+12	Sheffield.
		a Oxford	65	24th	37	21st	61.6	43.0	51.9	—	69	0	0	0.00	—	25.9	—	30	—	Cirencester.
		a Cheddle	67	24th	34	21st	60.1	42.1	50.7	—	61	0	0	0.00	—	25.9	—	30	—	Bath.
		p Shrewsbury	65	24th	33	21st	60.4	41.4	50.4	—	61	2	0	0.00	—	44.5	—	51	+15	Ramsgate.
		a Hereford	66	20th	36	23rd	61.8	42.1	51.5	—	67	0	0	0.00	—	43.9	+12.6	51	+15	Kew.
		a Cirencester	65	18th	35	21st	61.7	41.6	51.2	—	66	1	0	0.00	—	45.3	—	53	—	Marlborough.
		a Bath	65	18th	35	21st	61.7	41.6	51.2	—	66	1	0	0.00	—	45.3	—	53	—	Margate.
7. ENGLAND, N.W.		p Kew	65	18th, 24th	38	21st	61.8	45.6	53.3	—	79	0	0	0.00	—	49.9	+20.1	60	+23	Wisley.
		a Marlborough	63	18th	32	21st, 23rd	60.9	38.9	49.4	—	65	9	0	0.00	—	39.1	+10.1	46	+12	Worthing.
		a Margate	67	18th	48	21st	63.0	51.1	56.8	—	104	0	1	0.01	—	46.8	+12.9	54	+15	Tunbridge Wells.
		a Wisley, Surrey	65	19th	35	21st	62.0	43.1	52.1	—	71	0	0	0.00	—	50.6	—	59	—	Littlestone.
		a Swaraton	66	18th	33	23rd	60.9	40.9	50.4	—	63	3	0	0.00	—	51.8	—	60	—	Hastings.
		a Tunbridge Wells	66	18th	38	21st	61.7	43.6	52.2	—	71	0	0	0.00	—	52.4	+16.8	61	+20	Southampton.
		a Dungeness	65	19th	39	21st	62.7	44.9	53.4	—	80	0	1	0.01	—	43.3	—	50	—	Ventnor.
8. ENGLAND, S.W.		p Hastings	65	19th	42	20th, 21st	62.0	47.8	54.6	—	88	0	0	0.00	—	51.1	+13.2	59	+15	Eastbourne.
		p Southampton	68	18th, 19th	38	21st	64.0	44.7	53.9	—	83	0	0	0.00	—	51.6	+15.6	60	+18	Westminster.
		a Ventnor	66	19th	41	21st	62.6	47.5	54.7	—	89	0	0	0.00	—	49.1	+10.5	57	+12	Greenwich.
		a Westminster	67	24th	43	21st	63.3	47.1	54.8	—	90	0	0	0.00	—	50.5	+12.6	59	+15	Glasgow.
		a Greenwich	66	19th	39	23rd	63.2	45.5	53.9	—	93	0	0	0.00	—	55.4	+20.6	64	+24	Kilmarnock.
	a, SCOTLAND, W.	a Poltalloch	60	23rd	37	20th	56.9	47.1	51.8	—	69	0	5	0.37						

IV.—TEMPERATURE on the Grass and in the Ground.

TABLE XXXV.—TEMPERATURE OF THE AIR, OBSERVED AT THE STATIONS OF THE METEOROLOGICAL SERVICE, IN 1901.																		
STATION.		Grass Min.		Mean Earth Temp.		STATION.		Grass Min.		Mean Earth Temp.		STATION.		Grass Min.		Mean Earth Temp.		
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.			No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.			No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.	
0.	Baltasound	—	—	50·0	—	4.	Harrogate	0	31	52·2	53·4	6.	Dumfries	1	27	54·3	56·6	
	—	—	—	—	Ruddersfield ..		2	28	52·8	54·2	Douglas		0	38	—	—		
	—	—	—	—	Buxton		1	30	51·4	53·0	—		—	—	—			
1.	Aberdeen	—	—	—	52·3	5.	Sheffield	4	25	52·6	54·3	7.	Aspatia	1	28	52·1	53·6	
	Crathes	1	30	54·0	54·2		Nottingham ..	0	33	52·3	55·9		Newton Rigg ..	1	29	53·9	54·4	
	Balmoral	1	28	—	—		Birmingham ..	2	37	50·9	52·4		Burnley	3	27	51·5	53·5	
	West Linton ..	3	27	—	—		Oxford	1	30	—	—		Southport	2	29	53·7	56·7	
2.	Marchmont	0	33	51·4	—	6.	Hereford	2	28	—	—	8.	Manchester City ..	0	35	53·0	56·4	
	Cockle Park ..	1	30	49·9	52·4		Cirencester ..	3	28	54·2	55·2		Bettws-y-Coed ..	0	34	50·4	53·9	
	Durham	0	32	—	—		Bath	—	—	57·5	59·1		—	—	—	—		
	York	—	—	54·9	55·9		Margate	0	43	56·3	57·0		Llangammarch Wells	5	19	51·9	54·5	
3.	Hull	0	36	52·9	55·0	7.	Greenwich	2	29	—	—	9.	Cardiff	0	33	54·5	56·8	
	Lincoln	—	—	54·0	55·2		Westminster ..	0	35	—	—		Cifton	0	31	—	—	
	Rauceby	0	32	54·8	55·7		Kew	3	28	55·2	56·5		Plymouth	0	33	—	—	
	Norwich	0	36	—	—		Canterbury ..	0	39	54·4	57·5		—	—	—	—		
4.	Yarmouth	—	—	56·7	58·4	8.	Tunbridge Wells	0	31	56·3	—	10.	Armagh	1	29	55·1	56·0	
	Lowestoft	0	40	56·9	58·3		Wisley	2	28	55·2	57·2		11.	Markree	1	29	56·2	56·5
	Cambridge	0	31	55·1	56·8		Worthing	0	37	56·7	58·6			Dublin, Trin. Coll. ..	0	37	55·5	56·5
	Clacton-on-Sea ..	0	36	56·6	57·9		Portsmouth ..	0	37	56·7	58·4			—	—	—	—	
5.	Southend	0	40	58·3	—	9.	Glasgow	1	29	—	—	12.		Guernsey, Brooklyn	0	38	58·4	59·8
	Tottenham	0	32	—	58·5		Rothsay	—	—	—	53·4		—	—	—	—	—	

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

[illegible]

† Only one observation each day.

CORRECTIONS AND ADDITIONS FOR AUGUST, 1910.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.

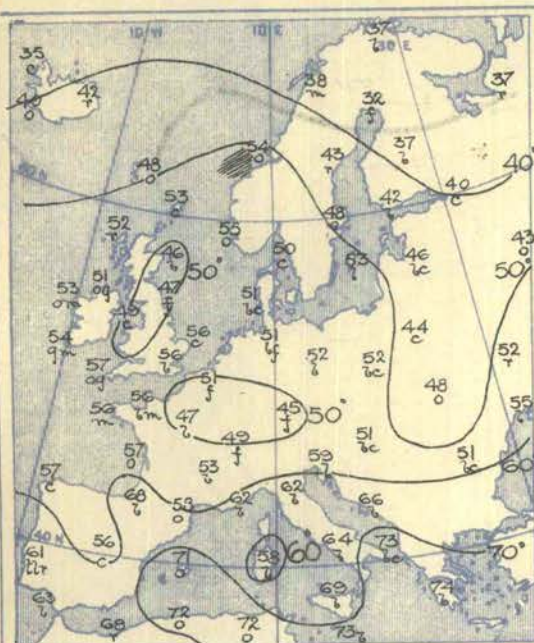
All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.					
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees).		Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
						Of Highest each day.	Of Lowest each Day.	For whole of each day.		Above 42°	Below 42°							
District Values.—										Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%.	%.
No. 31, p. 250 ..	3. England, E.	—	—	—	—	—	—	—	—	—	—	—	0.43	—0.06	—	—	—	—
No. 31, p. 250 ..	4. Midland Counties.	—	—	—	—	—	—	—	—	—	—	—	0.34	—0.22	—	—	—	—
No. 33, p. 266 ..	7. England, N.W.	—	—	—	—	—	—	—	—	—	—	—	1.51	+0.71	—	—	—	—
No. 33, p. 266 ..	10. Ireland, S.	71	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 34, p. 274 ..	4. Midland Counties.	—	—	—	—	—	—	—	—	—	—	—	0.99	+0.34	—	—	—	—
No. 34, p. 274 ..	5. England, S.E.	—	—	—	—	—	—	—	—	—	—	—	0.53	—0.10	—	—	—	—
Station Values.—																		
Additions.																		
No. 31, p. 251 ..	Norwich ..	74	1st	51	1, 4.	70.7	53.7	61.7	+1.3	138	0	2	0.14	—	—	—	—	—
No. 31, p. 251 ..	Cheadle ..	67	31st	42	31st	64.9	48.3	56.1	—1.6	99	0	4	0.18	—0.52	—	—	—	—
No. 32, p. 259 ..	Bettws-y-Coed ..	71	11, 12	50	9, 10, 11	67.7	54.1	60.5	+1.5	130	0	2	0.17	—	26.3	—	25	—
No. 33, p. 267 ..	Bettws-y-Coed ..	72	14th	50	14, 18	65.9	52.4	58.8	—0.1	118	0	7	2.16	—	24.0	—	23	—
No. 33, p. 267 ..	Clifton ..	74	14th	55	18th	63.4	57.2	62.9	+2.2	146	0	3	1.09	+0.30	53.5	—	53	—
No. 35, p. 283 ..	Norwich ..	67	29, 30	48	28th	65.1	51.1	57.7	—1.0	110	0	7	0.48	—	—	—	—	—
Station Values.—																		
Corrections.																		
No. 31, p. 251 ..	Felixstowe ..	—	—	—	—	—	—	—	—	—	—	—	1.28	—	—	—	—	—
No. 31, p. 251 ..	Hereford ..	—	—	—	—	66.0	—	56.8	—3.2	104	—	—	—	—	—	—	—	—
No. 31, p. 251 ..	Ventnor ..	—	—	—	—	65.2	—	59.9	—2.4	125	—	—	—	—	—	—	—	—
No. 31, p. 251 ..	Stonyhurst ..	—	—	—	—	—	—	—	—	—	—	—	—	—	33.0	—4.3	30	—4
No. 31, p. 251 ..	Shaftesbury ..	—	50	—	—	—	50.1	56.0	—3.5	98	—	—	—	—	—	—	—	—
No. 31, p. 251 ..	Markree Castle ..	67	6th	—	—	63.0	—	54.9	—1.8	90	—	—	—	—	—	—	—	—
No. 31, p. 251 ..	Ballinacurra ..	—	—	—	—	—	—	—	—	—	—	—	—	—	28.8	—	27	—
No. 32, p. 259 ..	Raunds ..	—	—	—	—	69.2	53.2	60.7	+0.3	131	—	—	—	—	—	—	—	—
No. 32, p. 259 ..	Ventnor ..	—	—	—	—	67.5	—	61.0	—1.2	133	—	—	—	—	—	—	—	—
No. 32, p. 259 ..	Markree Castle ..	—	—	—	—	—	53.2	60.0	+3.5	126	—	—	—	—	—	—	—	—
No. 33, p. 267 ..	Buxton ..	—	—	—	—	—	—	—	—	—	—	—	1.27	+0.26	—	—	—	—
No. 33, p. 267 ..	Cheadle ..	—	17th	—	—	—	—	—	—	—	—	—	1.23	+0.46	—	—	—	—
No. 33, p. 267 ..	Cahir ..	68	15, 19, 20	—	—	66.0	—	58.7	+0.7	117	—	—	—	—	—	—	—	—
No. 34, p. 275 ..	Cambridge ..	—	—	—	—	—	52.0	59.0	—1.0	119	—	—	—	—	—	—	—	—
No. 34, p. 275 ..	Buxton ..	—	—	—	—	60.2	49.0	54.3	—1.0	86	—	5	1.39	+0.39	—	—	—	—
No. 34, p. 275 ..	Cheadle ..	—	24th	46	—	62.2	50.9	56.2	—0.3	99	—	5	0.95	+0.19	—	—	—	—
No. 34, p. 275 ..	Shrewsbury ..	—	—	47	23rd	—	52.2	57.9	—0.5	111	—	—	—	—	—	—	—	—
No. 34, p. 275 ..	Wisley ..	—	—	—	—	—	—	—	—	—	—	—	0.70	—	—	—	—	—
No. 34, p. 275 ..	Dunegness ..	—	—	—	—	—	—	—	—	—	—	—	0.54	+0.09	—	—	—	—
No. 34, p. 275 ..	Bettws-y-Coed ..	—	—	—	—	—	52.6	56.7	—1.7	103	—	—	0.86	+0.07	—	—	—	—
No. 34, p. 275 ..	Clifton ..	—	—	—	—	—	52.1	57.2	—1.0	106	—	—	—	—	—	—	—	—
No. 34, p. 275 ..	Shaftesbury ..	—	—	—	—	—	—	—	—	—	—	—	—	—	23.7	—	24	—
No. 34, p. 275 ..	Ballinacurra ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 35, p. 283 ..	Buxton ..	—	—	—	—	58.3	48.3	53.0	—1.9	77	—	—	—	—	—	—	—	—
Station Values.—																		
Additions.																		
No. 31, p. 252 ..	Norwich ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 32, p. 260 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 33, p. 268 ..	Bath ..	—	—	—	—	—	—	—	—	—	—	—	—	—	58.1	—	55.0	—
No. 33, p. 268 ..	Bettws-y-Coed ..	—	—	—	—	—	—	—	—	—	—	—	—	—	64.0	—	60.7	—
No. 33, p. 268 ..	Clifton ..	—	—	—	—	—	—	—	—	—	—	—	—	—	59.0	—	55.9	—
No. 34, p. 276 ..	Canterbury ..	—	—	—	—	—	—	—	—	—	—	—	—	—	0	—	—	—
No. 35, p. 284 ..	Norwich ..	—	—	—	—	—	—	—	—	—	—	—	—	—	0	—	—	—
Station Values.—																		
Additions.																		
No. 31, p. 252 ..	Eastbourne ..	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
													Grass Min.		Mean Earth Temp.			
													No. of Days.	Lowest reading	At 1 foot.		At 4 feet.	
													0	48	—		—	
													0	44	58.1		55.0	
													—	—	64.0		60.7	
													0	41	59.0		55.9	
													0	47	—		—	
													0	46	59.8		61.4	
													0	42	—		—	
													Temperature of the Sea.					
													Highest.	Lowest.	Mean.			
No. 31, p. 252 ..	Eastbourne ..	—	—	—	—	—	—	—	—	—	—	—	63	62	62.7			

Sunday, 18th September, 1910.

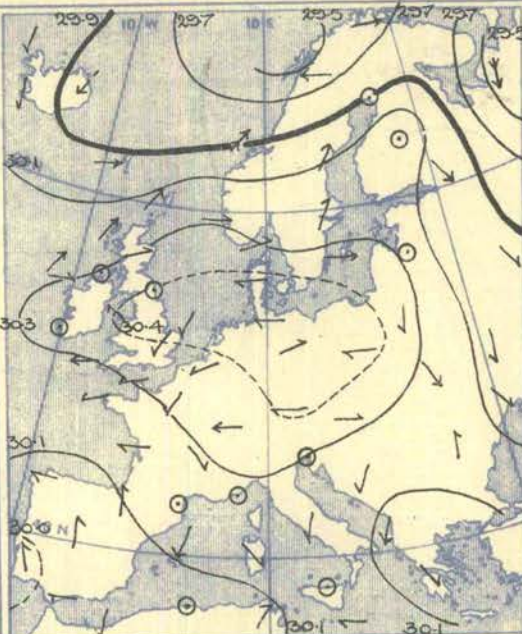
Temperature and Weather.

7 a.m.

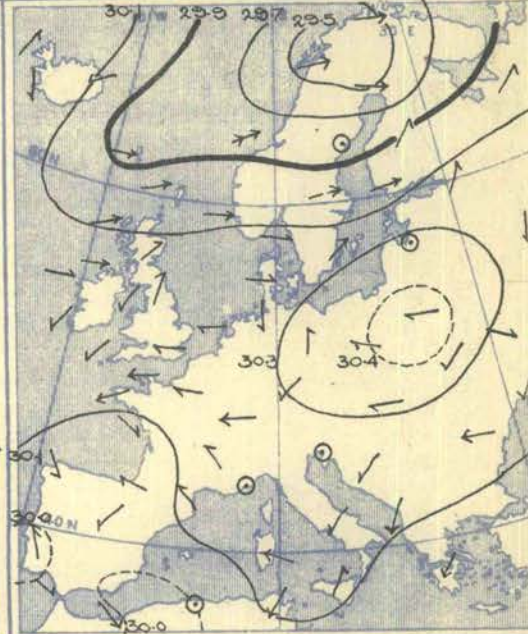


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over the greater part of these Islands and large areas on the Continent; cloudy or overcast in Scandinavia and the Spanish Peninsula, with rain at Hérnösand and Madrid, and a thunderstorm at Lisbon. Rain also falling at Nemours and Archangel. Heavy rain later in Norway, and some smaller amounts in a few Russian localities, and also at Lisbon and in the north of these Islands.

Temperature risen somewhat in several parts of this country and Scandinavia, fallen in France and central Europe. Morning readings ranging from a little above 70° at many stations in the far south, to below 50° in considerable patches on the Continent and in this country, to below 40° in the extreme north of Europe, and to about 32° in the north of Sweden. Rising to 65° or 67° during day in the extreme south of this country, but failing to reach 60° at some places in the north. Maxima below 65° over most of central Europe, but above 75° over a considerable part of the Mediterranean region, and as high as 81° at Marseilles.

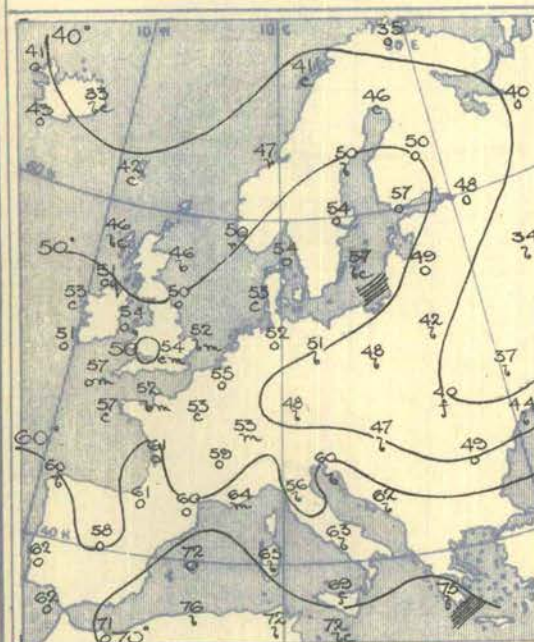
Wind in morning showing a very extensive anticyclonic circulation affecting almost the whole of the Continent and the United Kingdom. A Westerly current, fresh or strong to a gale, prevailing over Scandinavia and the Icelandic region, and a Northerly gale at Archangel. Light airs from various quarters general over the Mediterranean. No change of importance later in day; increasing to a strong breeze in Greece and at Brindisi.

Barometer in morning above 30.4 ins. in a very large anticyclone centred over Germany and the North Sea; below 29.5 ins. in a large depression off the north-west of Norway and in another in the north-east of Russia, and relatively low in the south-west and south-east of Europe. High pressure system continuing to move slowly eastward during day, and barometer falling over these Islands and the North Sea. A fresh recovery of pressure setting in over Iceland.

Monday, 19th September, 1910.

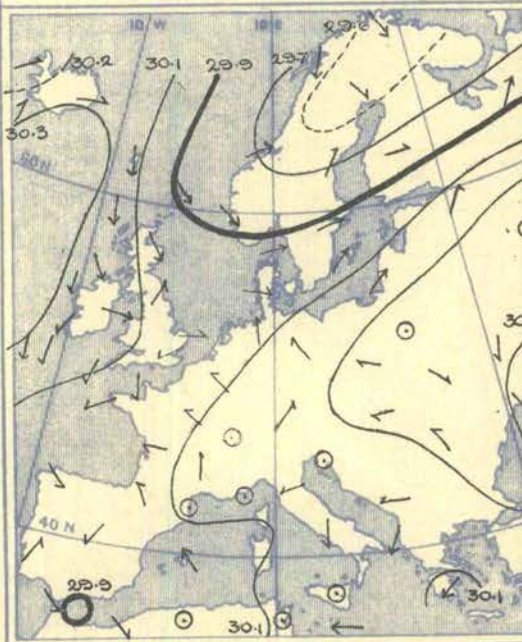
Temperature and Weather.

7 a.m.

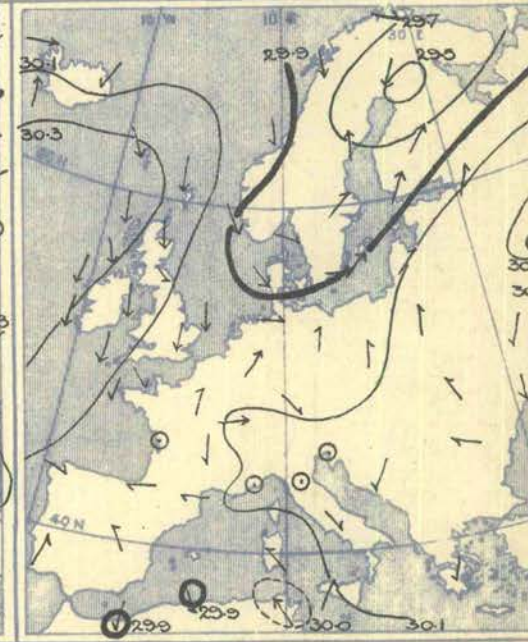


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the west of Norway and also at Oran, and cloudy or overcast in some other regions, but generally fine or fair. Some rain later at many places in the north and east of these Islands, as well as in Norway, Switzerland, Germany, and the east and south of France and at Lisbon. Largest measurement, 1.3 in. at Charleville.

Temperature fallen in Scotland and the west of Norway, risen in Sweden and France; changed rather irregularly as a whole. Morning readings below 45° over a large area in northern and eastern Europe, and below 40° in places. Below 50° in the north of these Islands, and not much above it in the east of France. Above 70° at many stations on the shores of the Mediterranean, and as high as 76° at Algiers. Maxima during day very little above 50° in the north of Scotland, but above 65° at some of our southern stations. Thermometer rising to 90° at Algiers, and to nearly 80° at several other stations in the Mediterranean region, but failing to touch 70° in most parts of central Europe.

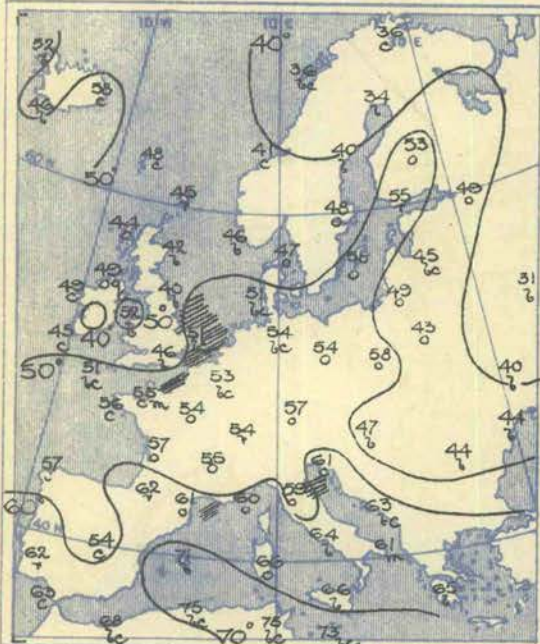
Wind in morning anticyclonic and of little force over the greater part of our area, but cyclonic over Scandinavia and Finland, the Northerly current being strong at Bodö, and that from the South-Westward fresh to strong in the southern regions. A high wind from North-West prevailing at Nicolaieff. No general change during day; increasing somewhat in force from the Northward in various parts of these Islands, and from North and East on the coast of north Africa.

Barometer in morning ranging from above 30.3 ins. over the Atlantic to the west of these Islands and also over a large area in the east and south-east of Europe; below 29.6 ins. in a large depression having its minimum over northern Scandinavia. Atlantic high pressure system extending slowly eastward over these Islands during day, but a fresh fall of the barometer setting in over Iceland.

Tuesday, 20th September, 1910.

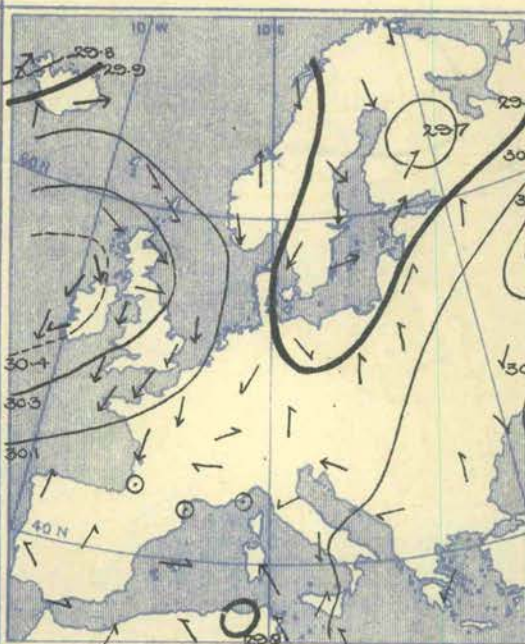
Temperature and Weather.

7 a.m.

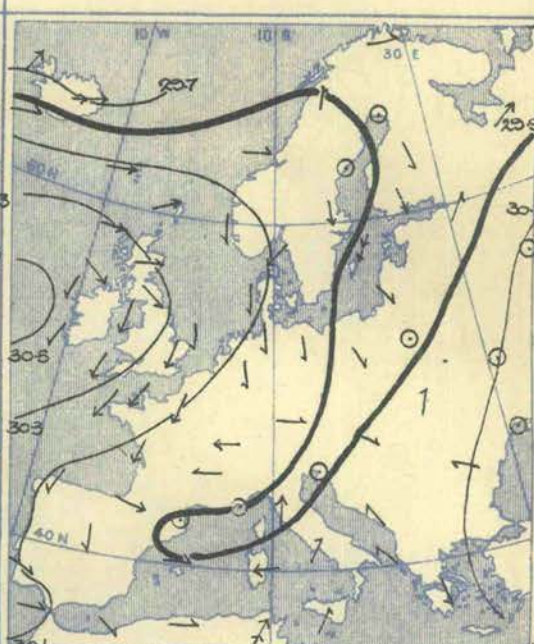


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over the greater part of the United Kingdom and in Russia, and in a few regions elsewhere, but very cloudy or overcast over a large area on the Continent, with rain in some scattered localities. Heavy rain later, with thunderstorms in places, in the south of France, Switzerland, northern Italy, and Spain, and considerable quantities in Finland and at several stations in central Europe.

Temperature fallen over these Islands and at most places over the northern regions of the Continent. Morning readings ranging from 31° at Moscow, below 40° in the extreme north of the Continent and in central Ireland, and about 55° at several places in Germany, to above 70° over a considerable portion of the Mediterranean, and to 85° at Cape de Garde. Maxima during day below 60° over most of this country, and below 55° in places; about 60° in central Europe and the north of France, between 70° and 80° in the south of our area, and to above 90° in Algeria. Night cold over these Islands.

Wind in morning strong to a gale from the South-Westward in Iceland, and from the Northward over the south of Scandinavia. Moderate to fresh from the Southward and South-Westward over the Baltic and Finland. Light or moderate anticyclonic breezes prevailing over the United Kingdom, and variable cyclonic airs over the Mediterranean. Strong locally at Cagliari. Gale increasing in strength by evening in Iceland, and a Northerly gale setting in at Wisby. Becoming strong or fresh on some shores of the Mediterranean; increasing to a gale at Tunis.

Barometer in morning above 30.5 ins. in a large anticyclonic system having its centre some distance to the westward of Ireland, and above 30.3 ins. in central Russia. Relatively low in a zone extending from central Europe to Finland, and below 29.8 ins. in the north-west of Iceland. Low pressure zone becoming more accentuated by evening, but little modification occurring in the general distribution of pressure. A large disturbance travelling eastward over the Icelandic region.

Wednesday, 21st September, 1910.

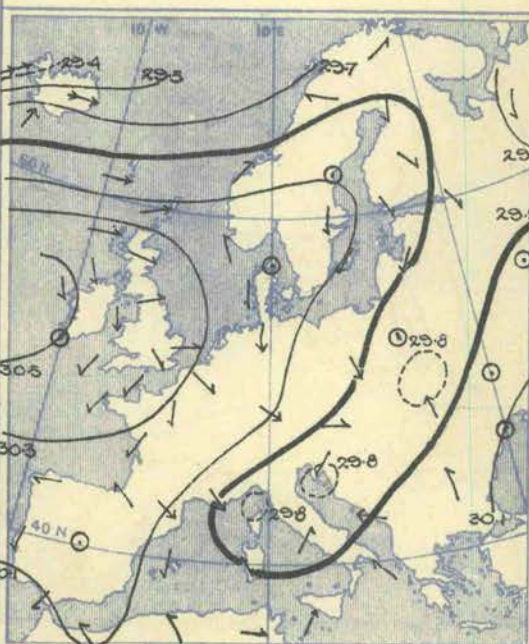
Temperature and Weather.

7 a.m.

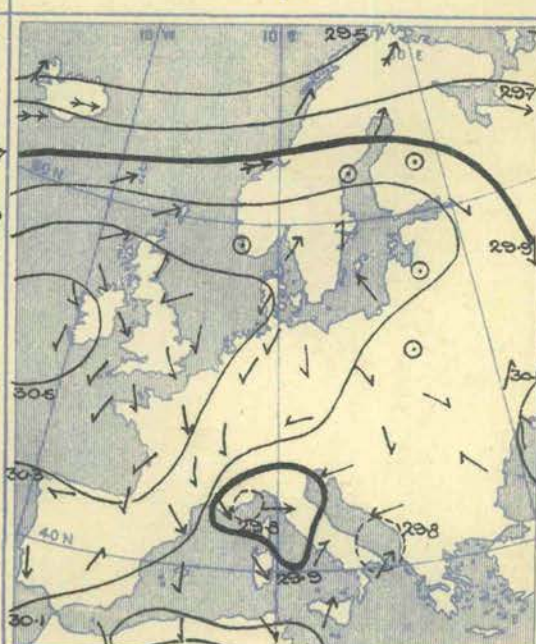


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over these Islands and the major portion of the Continent, but rainy over a large area in central Europe, as well as at Rome and at some stations in the far north; showers prevailing at Yarmouth and Flushing. Large quantities of rain experienced later over various parts of Hungary and the northern half of Italy, and smaller amounts in Germany and Norway.

Temperature risen in Ireland, Scotland, and Norway, fallen in most other regions. Morning readings ranging from above 70° at several places on the shores of the Mediterranean, to below 50° over the greater part of the Continent and at most of our own stations, and to below 32° in the north of Sweden. Maxima during day about 80° at some stations in the extreme south, but below 55° at some places in the central countries, and below 60° in the east of France. Thermometer remaining below 60° over a large portion of these Islands.

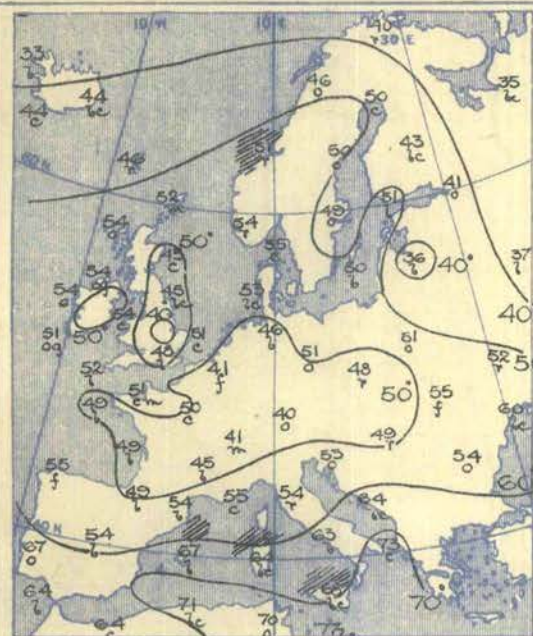
Wind in morning strong to a gale from the Westward in Iceland, moderate to strong from the Northward over the Baltic and north Germany. Calm prevailing over a very large area in Russia and also in the north of Italy. Light to moderate anticyclonic breezes still reported over the United Kingdom and its neighbourhood. Gale continuing in Iceland all day and extending to the west coast of Norway. Becoming strong to high on the south coast of France and in the adjacent islands.

Barometer in morning below 29.4 ins. in a large depression beyond Iceland, and relatively low in a long zone extending from the Mediterranean to the White Sea and beyond. Above 30.5 ins. on the west coast of Ireland and the Atlantic. Very little modification occurring later in the general distribution of pressure. Barometer remaining stationary or rising slightly over these Islands.

Thursday, 22nd September, 1910.

Temperature and Weather.

7 a.m.

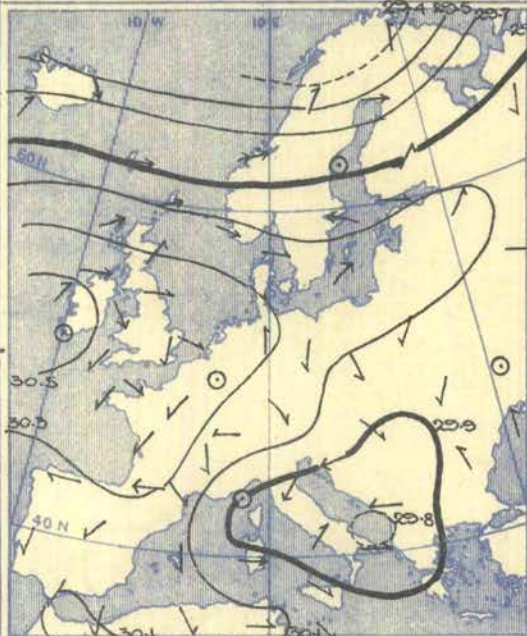


Weather in morning rainy over a large area in central Europe and the north of Italy, as well as in Norway and at Keiff. Fair to fine in most other regions, but overcast along the western seaboard of these Islands. Rain experienced later in a large portion of central Europe and Italy, as well as in Norway, Shetland, and the Hebrides.

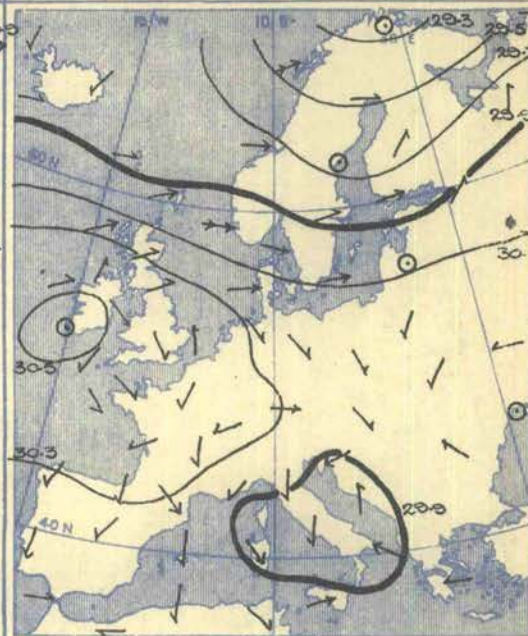
Temperature risen at many places in the north of our area. Morning readings ranging from 77° at Malta and above 70° at a few other stations in the extreme south to below 60° generally, and to below 40° over a wide area; lowest value, 36° at Riga. Maxima during day only about 50° at many stations in central Europe and 61° at Florence; between 70° and 80° in the most southern districts of our area. Thermometer rising to 60° or rather higher in many parts of these Islands. Night cold over the inland districts.

Barometer and Wind.

7 a.m.



6 p.m.



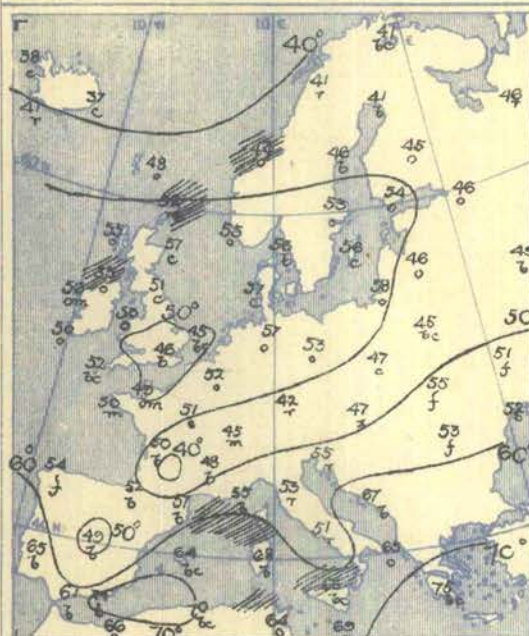
Wind in morning mainly Westerly over the northern half of our area, light to moderate generally, but strong to high in Norway. A cyclonic circulation shown over Italy and the Mediterranean, but with little force. Light, anticyclonic winds prevailing over these Islands and nearly the whole of France. Increasing to a strong breeze by evening in the extreme north-west and north of these Islands and to a gale on the west coast of Norway. Becoming strong on various shores of the Mediterranean.

Barometer in morning above 30.5 ins. in an anticyclone centred over Ireland and the nearer part of the Atlantic; below 29.9 ins. over a large area in the south, and below 29.4 ins. in the far north of Scandinavia. Pressure giving way gradually over this country and the northern countries of the Continent, but increasing again in Iceland. No important change taking place in the general distribution of pressure.

Friday, 23rd September, 1910.

Temperature and Weather.

7 a.m.

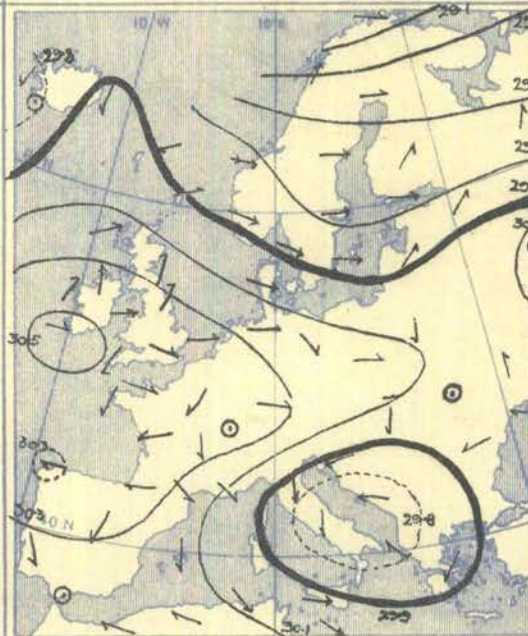


Weather in morning rainy in a few parts of northern Europe and Italy, as well as at Wick, Bodø, and Archangel. Overcast in some other localities, but mostly fair to fine. Rain falling later over a large area in Scandinavia, northern Russia, in a few parts of central Europe, and in Italy, as well as in Shetland and the Hebrides; largest measurement, 0.9 in. at Naples.

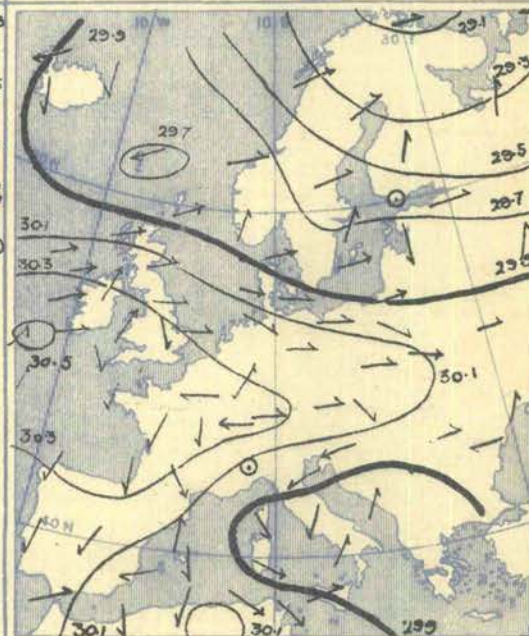
Temperature changed rather irregularly. Morning readings ranging from between 60° and 79° at most places in the south, to below 50° over a very large area, and to nearly 40° in the far north. Maxima below 60° at most of our own stations and in many parts of Germany and Austria and the east of France; thermometer only rising to 46° at Munich. Readings of 75° and above rather common in the extreme south of our area; 82° at Madrid, and 88° in Algeria.

Barometer and Wind.

7 a.m.



6 p.m.



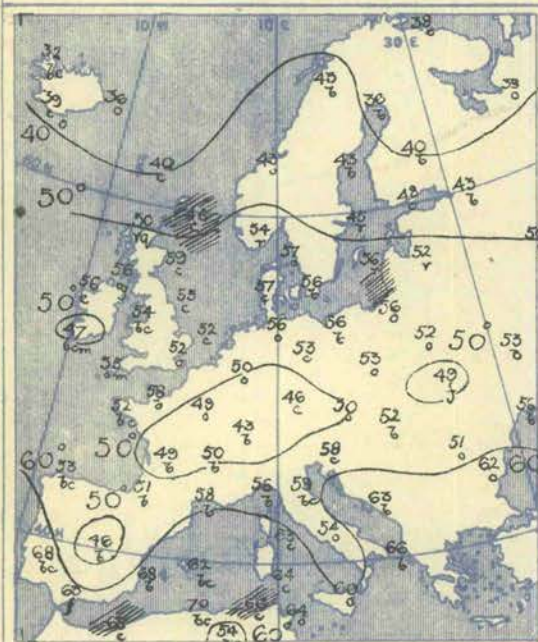
Wind in morning fresh or strong to a gale from the Westward over Scandinavia and Denmark. An extensive anticyclonic circulation prevailing around these Islands, and a cyclonic movement over Italy and its neighbourhood; Easterly current high at Trieste, and that from North-West strong at Cape de Garde. Very little change during day; increasing somewhat in force from the Westward over the north of these Islands.

Barometer in morning ranging from above 30.5 ins. in the south of Ireland, to below 29.8 ins. over Italy and also to the westward of Iceland, and to below 29.2 ins. in the extreme north of Norway. A disturbance of moderate depth appearing off the north of Scotland by evening and barometer rising again in Iceland. A general decrease of pressure taking place over the United Kingdom and its immediate neighbourhood, but little change occurring in the general distribution.

Saturday, 24th September, 1910.

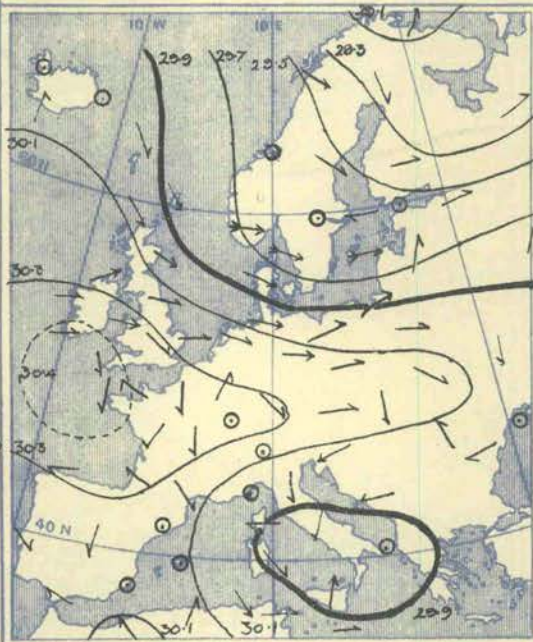
Temperature and Weather.

7 a.m.

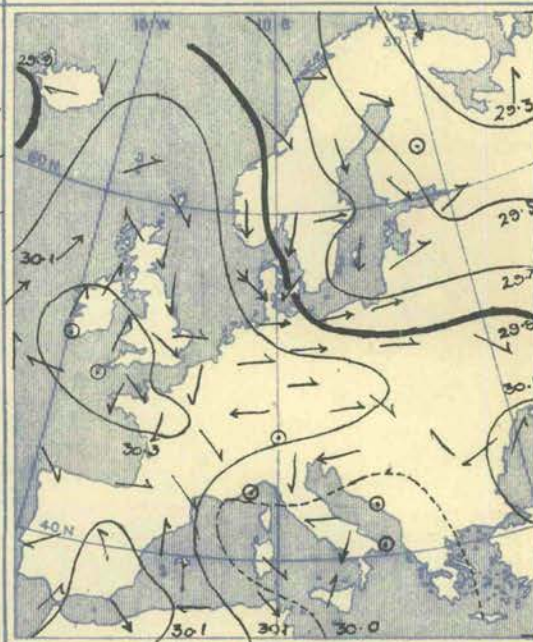


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy to fair or fine over the greater part of our area, but overcast in some localities, and rainy at Stornoway, Riga, and in the south of Scandinavia. Slight rain later at some of our north-western stations and in Scandinavia, as much as 0.8 in. at Riga, and 1.8 in. at Naples. A thunderstorm during night at Cape de Garde.

Temperature risen in most parts of these Islands, fallen over a large area on the Continent. Morning readings ranging from 74° at Malaga, 72° at Barcelona, and above 65° at some other southern stations to 58° or 59° in the east of Scotland, to 50° or below at several places in France and Germany, and to below 40° in the extreme north of our area. Maxima during day below 60° in various parts of the United Kingdom, France, and central Europe, as well as at Naples, but above 70° over the Mediterranean region generally, and above 75° in places.

Wind in morning showing an anticyclonic movement of little strength over the United Kingdom and the surrounding regions, and a cyclonic circulation of moderate to strong winds over Italy and the Adriatic. A Westerly current, fresh or strong to a gale, prevailing over the south of Scandinavia and the Baltic. Little change of importance during day; veering to the North-Westward and blowing a gale on the coast of Jutland.

Barometer in morning above 30.4 ins. in a large high pressure system having its maximum off the south-west of England; below 29.9 ins. in a large depression over Italy, and less than 29.1 ins. in another in the far north of Europe. Relatively high in an anticyclonic extension from the south-west of England across the central countries of the Continent to the Black Sea. A secondary disturbance of considerable energy developing over the upper portion of the Baltic by evening. Pressure increasing briskly in the north of Great Britain, but decreasing in the south-west and south of these Islands and in Brittany. A fresh fall setting in in Iceland.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 39. THIRTY-NINTH WEEK, SUNDAY, SEPTEMBER 25TH, TO SATURDAY, OCTOBER 1ST, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was much less settled over the Kingdom generally, rain falling on several days in Ireland and the north-west of Britain, and on a few occasions elsewhere. Thunderstorms were experienced on Saturday in many parts of England, including the Channel Islands.

Temperature was above the average, the excess being more than 4° in the north-eastern, eastern, and central parts of England, and nearly 4° in England N.W. The highest of the maxima occurred generally either on Wednesday or Saturday. In the Midland Counties the thermometer rose to 76°, in England E., and also at Westminster and Greenwich, to 75°, and in several other English localities to 74°, but in Ireland and the north and west of Scotland there was no reading as high as 70°. The lowest of the minima were recorded on rather irregular dates, and ranged from 34° in Ireland N., and 35° in England N.E. and Ireland S. to 39° in Scotland E. and W., and to 48° in the English Channel. The lowest grass readings reported were 27° at Cockle Park (Morpeth), 28° at Llangammarch Wells, 29° at West Linton, Sheffield, and Markree, and 31° at Crathes, Dumfries, and Newton Rigg.

Mean Temperature of the Sea was not as a rule very different from that of the corresponding week of last year, but at Plymouth it was nearly 3° lower, and at Scarborough 1½° higher. The means for the week ranged from about 59° on some parts of the south-east and south-west coasts to about 52° in the neighbourhood of Shetland and the Orkneys.

Rainfall was less than the average except in Ireland S., the deficit being large in most districts. At Yarmouth, Felixstowe, and Tunbridge Wells the week was rainless, and at several other stations in the eastern half of Great Britain the fall was less than 0.10 inch.

Bright Sunshine exceeded the normal in most parts of England, but was less in England S.W. and the English Channel, as well as in Ireland and Scotland. The percentage of the possible duration ranged from 43 in England N.E. and E., 42 in the English Channel, and 41 in England S.E. to 22 in Scotland N. and E., and Ireland N., and to 20 in Scotland W.

Barometer and Wind.—At the beginning of the week the pressure distribution was anticyclonic, and the winds over these Islands light from East or South-East in the south, and mainly from the Southward elsewhere. By Monday, however, a depression had reached the south of Ireland, and as this travelled North-North-Eastward at the same time that pressure decreased briskly over the North Sea, the wind shifted to the Westward over England. From that date until the end of the period the distribution underwent considerable modification. By Thursday an ill-defined shallow depression covered England, Wales, and Ireland, while a larger system was moving eastward over the Icelandic region, and by Saturday the barometer was falling very generally under the influence of a large low pressure system on the Atlantic, while the wind was increasing somewhat in force from the Southward.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 316.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Very light	Light	Light	Light	Moderate	Light	Moderate	Light	Light	Moderate	Moderate	Light
	Sunshine ...	Moderate	Scanty	Abundant	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 4 weeks from Sept. 4th, 1910.	Warmth ...	1 * 0	1 * 1	1 * 3	1 * 2	1 * 2	1 * 3	1 * 0	1 * 3	1 * 2	1 * 1	1 * 2	1 * 2
	Rainfall ...	0 * 4	0 * 4	0 * 4	1 * 3	0 * 2	0 * 3	0 * 3	0 * 4	0 * 4	0 * 3	0 * 3	0 * 3
	Sunshine ...	2 * 1	1 * 1	1 * 2	0 * 2	0 * 2	1 * 2	2 * 1	1 * 0	2 * 1	1 * 2	0 * 1	0 * 2

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

THIRTY-NINTH WEEK—September 25th to October 1st, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	63	37	57.7	46.2	51.7	+ 2.0	Day-deg. 68	Day-deg. + 12	Day-deg. 0	Day-deg. - 2	5	0	Inches. 0.26	Inches. - 1.00	18	- 3	% 22	% - 3
Eastern																		
1. SCOTLAND, EAST	70	39	60.5	46.1	52.9	+ 2.8	76	+ 17	0	- 2	2	- 3	0.14	- 0.53	19	- 5	22	- 6
2. ENGLAND, N.E.	74	35	64.7	49.5	56.8	+ 4.5	104	+ 31	0	0	3	- 1	0.31	- 0.09	36	+ 8	43	+ 10
3. ENGLAND, EAST	75	41	66.3	50.1	57.8	+ 4.2	111	+ 29	0	- 1	2	- 2	0.09	- 0.44	36	+ 5	43	+ 6
4. MIDLAND COUNTIES	76	38	66.0	48.3	56.7	+ 4.3	103	+ 28	0	- 1	3	- 1	0.24	- 0.30	30	+ 3	37	+ 4
5. ENGLAND, S.E.	74	38	66.3	50.7	58.1	+ 3.1	113	+ 21	0	0	2	- 2	0.11	- 0.51	34	+ 3	41	+ 3
Western																		
6. SCOTLAND, WEST	67	39	59.9	49.4	54.4	+ 2.9	87	+ 20	0	- 1	5	0	0.75	- 0.39	17	- 8	20	- 10
7. ENGLAND, N.W.	73	37	63.7	50.2	56.6	+ 3.7	102	+ 25	0	0	4	0	0.24	- 0.58	28	+ 3	34	+ 3
8. ENGLAND, S.W.	71	37	63.9	51.3	57.3	+ 3.0	107	+ 21	0	0	3	- 1	0.20	- 0.69	25	- 4	31	- 5
9. IRELAND, NORTH	66	34	60.7	47.8	53.9	+ 1.8	83	+ 12	0	0	4	- 1	0.77	- 0.10	18	- 5	22	- 7
10. IRELAND, SOUTH	69	35	61.7	49.3	55.2	+ 1.7	92	+ 12	0	0	6	+ 1	0.88	+ 0.17	21	- 7	25	- 9
11. ENGLISH CHANNEL	74	48	65.4	54.0	59.4	+ 1.9	122	+ 14	0	0	4	- 1	0.30	- 0.47	35	- 1	42	- 1
THE SEASON (Autumn).—Aggregates, &c., for the Period of 4 Weeks, September 4th to October 1st, 1910.																		
0. SCOTLAND, NORTH	68	34	*	*	*	*	273	- 1	0	- 3	14	- 5	1.14	- 3.08	97	+ 3	27	+ 1
Eastern																		
1. SCOTLAND, EAST	70	30	*	*	*	*	277	- 17	0	- 4	7	- 8	0.62	- 1.55	111	0	31	0
2. ENGLAND, N.E.	74	34	*	*	*	*	328	- 18	0	0	8	- 5	0.62	- 1.19	107	- 18	30	- 5
3. ENGLAND, EAST	75	36	*	*	*	*	375	- 17	0	- 1	10	- 2	1.33	- 0.49	113	- 27	32	- 8
4. MIDLAND COUNTIES	76	33	*	*	*	*	333	- 27	0	- 2	7	- 5	0.63	- 1.26	96	- 27	27	- 8
5. ENGLAND, S.E.	74	32	*	*	*	*	383	- 42	0	0	6	- 6	0.49	- 1.61	141	- 2	40	- 1
Western																		
6. SCOTLAND, WEST	69	32	*	*	*	*	317	- 1	0	- 1	10	- 5	1.28	- 2.51	128	+ 11	36	+ 3
7. ENGLAND, N.W.	73	34	*	*	*	*	334	- 27	0	0	7	- 7	0.39	- 2.36	125	+ 6	36	+ 2
8. ENGLAND, S.W.	71	27	*	*	*	*	368	- 27	0	0	5	- 9	0.43	- 2.43	146	+ 11	42	+ 3
9. IRELAND, NORTH	69	34	*	*	*	*	325	- 10	0	0	8	- 9	1.00	- 1.95	104	- 2	30	- 1
10. IRELAND, SOUTH	69	35	*	*	*	*	343	- 26	0	0	10	- 5	1.08	- 1.58	108	- 17	31	- 5
11. ENGLISH CHANNEL	74	44	*	*	*	*	451	- 25	0	0	7	- 8	0.51	- 1.88	163	- 6	47	- 2
THE YEAR.—Aggregates, &c., for the Period of 39 Weeks, January 2nd to October 1st, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	1879	+ 51	595	+ 35	177	- 2	36.04	+ 0.41	1031	+ 53	28	+ 1
Eastern																		
1. SCOTLAND, EAST	80	-10	*	*	*	*	1959	- 105	636	+ 12	151	+ 3	23.34	+ 1.60	1189	- 24	31	- 1
2. ENGLAND, N.E.	81	6	*	*	*	*	2356	+ 60	454	- 21	142	+ 9	17.38	+ 0.11	1160	- 99	32	- 3
3. ENGLAND, EAST	83	17	*	*	*	*	2676	+ 24	393	- 129	145	+ 17	18.45	+ 1.72	1291	- 76	36	- 2
4. MIDLAND COUNTIES	83	10	*	*	*	*	2568	- 28	474	- 61	142	+ 15	19.45	+ 0.80	1169	- 53	33	- 1
5. ENGLAND, S.E.	81	13	*	*	*	*	2744	- 100	294	- 87	140	+ 18	19.67	+ 1.46	1332	- 55	37	- 2
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	2279	+ 58	432	+ 6	162	+ 7	34.46	+ 1.82	1205	+ 6	33	0
7. ENGLAND, N.W.	81	7	*	*	*	*	2416	- 12	338	- 48	161	+ 19	26.98	+ 3.02	1267	+ 51	35	+ 1
8. ENGLAND, S.W.	81	8	*	*	*	*	2592	- 95	242	- 59	150	+ 11	27.65	+ 2.14	1344	- 8	38	0
9. IRELAND, NORTH	79	7	*	*	*	*	2303	- 19	351	+ 6	176	+ 7	30.29	+ 3.48	1099	+ 2	30	0
10. IRELAND, SOUTH	79	18	*	*	*	*	2619	- 35	258	- 1	181	+ 31	31.48	+ 3.64	1177	- 56	33	- 2
11. ENGLISH CHANNEL	79	28	*	*	*	*	2976	- 86	54	- 55	149	+ 1	22.98	+ 1.91	1512	- 134	43	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.							Rainfall.			Bright Sunshine.					NAMES OF STATIONS.		
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.											Above 42°	Below 42°
0. SCOTLAND, N.	a, Islands.	p Baltasound	26th	38	25th	54.9	45.6	50.0	—	Day 56	4	0.21	—	17.6	—	21	—	Baltasound.		
		a Sumburgh Head	1st	37	25th	54.0	45.3	49.4	+ 0.4	52	0	0.27	- 0.56	23.6	+ 0.1	22	0	Deerness.		
		a Stornoway	1st	43	30th	57.1	46.4	51.5	+ 1.9	67	0	0.45	- 0.67	18.0	- 6.3	28	- 8	Stornoway.		
		a Castlebay, Barra Isd.	27th, 1st	43	30th	56.6	51.4	53.9	+ 3.4	83	0	0.12	—	16.5	—	30	—	Castlebay.		
		a Wick	1st	39	25th	58.3	44.4	51.0	+ 0.8	63	0	0.12	- 0.50	—	—	—	—	Strathpeffer.		
		p Strathpeffer	1st	40	26th, 30th	59.3	44.9	51.3	+ 1.9	69	0	0.04	- 0.56	17.8	- 7.5	21	- 9	Strathpeffer.		
		p Glencarron	1st	43	30th	57.9	45.7	51.5	+ 2.7	67	0	0.40	- 1.63	—	—	—	—	Fort Augustus.		
	p Fort Augustus	25th	46	27, 29, 30th	58.9	47.4	52.9	+ 2.2	76	0	0.10	- 0.83	12.6	- 5.2	15	- 6	Fort Augustus.			
	p Fort William	25th	46	30th	58.4	49.5	53.7	+ 2.2	82	0	0.42	- 1.33	—	—	—	—	Fort William.			
1. SCOTLAND, E.		p Gordon Castle	1st	39	30th	63.3	42.8	52.1	+ 0.7	71	0	0.01	- 0.64	23.0	—	23	—	Gordon Castle.		
		a Nairn	26th	42	26th	61.0	44.9	52.6	+ 2.2	74	0	0.02	- 0.49	23.7	—	29	—	Nairn.		
		a Aberdeen	27th	42	25th	59.1	47.1	52.8	+ 1.6	76	0	0.23	- 0.37	19.6	- 6.9	24	- 8	Aberdeen.		
		a Balmoral	26th	40	27th, 1st	60.7	43.6	51.7	+ 4.1	68	0	0.12	- 0.58	12.8	—	15	—	Crathes S.		
		p Crieff	25th	43	30th, 1st	59.0	47.1	52.8	+ 1.3	76	0	0.22	- 0.56	17.8	—	21	—	Balrundry.		
		a Leith	1st	40	1st	62.0	49.4	55.4	+ 2.8	94	0	0.15	- 0.26	—	—	—	—	Edinburgh.		
		a West Linton	1st	39	30th, 1st	58.9	46.0	52.1	+ 2.7	71	0	0.22	- 0.56	15.8	—	19	—	West Linton.		
	p Marchmont	1st	46	27th, 30th	60.6	47.6	53.8	+ 2.7	83	0	0.17	- 0.49	18.7	- 6.1	23	- 7	Marchmont.			
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	1st	35	1st	63.1	48.5	55.5	+ 4.4	95	0	0.37	- 0.27	27.2	—	33	—	Cockle Park.		
		a Shields	1st	41	1st	63.9	47.9	55.5	+ 3.3	95	0	0.46	- 0.03	18.0	- 2.7	22	- 3	Newcastle.		
		p Durham	28th	38	1st	63.5	47.4	55.1	+ 3.4	92	0	0.34	- 0.18	27.7	+ 2.5	33	+ 3	Durham.		
		p Rounton	28th	41	30th, 1st	64.1	47.9	55.6	+ 4.3	95	0	0.35	- 0.13	—	—	—	—	Scarborough.		
		p Scarborough	28th	46	30th	68.4	51.7	59.7	+ 6.4	124	0	0.34	- 0.18	47.1	—	53	—	York.		
		p York	28th	44	1st	65.4	49.4	57.0	+ 4.1	105	0	0.05	- 0.42	37.4	+ 12.1	45	+ 15	York.		
		a Spurn Head	28th	49	1st	61.1	52.3	56.5	+ 2.1	102	0	0.57	+ 0.18	—	—	—	—	Skegness.		
b, South.	a Lincoln	28th	44	28th	66.5	50.6	58.2	+ 5.0	113	0	0.19	- 0.24	39.5	—	48	—	Raueby.			
	a Fulbeck	28th	46	1st	66.7	50.2	58.1	+ 4.8	113	0	0.13	- 0.33	34.4	—	41	—	Lowestoft.			
3. ENGLAND, E.		p Cromer	29th	48	1st	66.5	50.8	58.3	+ 4.3	114	0	0.04	—	46.0	—	55	—	Cromer.		
		p Hillington	28th	45	1st	66.7	48.4	57.1	+ 3.5	106	0	0.06	- 0.54	38.6	+ 9.4	47	+ 11	Hillington.		
		a Yarmouth	28th	52	25, 28, 30th	64.0	53.1	58.3	+ 3.8	114	0	0.00	- 0.52	40.1	—	48	—	Yarmouth.		
		a Norwich	29th	45	1st	66.7	50.1	58.0	+ 3.1	112	0	0.05	—	—	—	—	—	Geldeston.		
		p Geldeston	29th	41	28th, 1st	67.1	47.7	56.9	+ 2.9	104	0	0.02	- 0.51	38.8	+ 5.8	47	+ 7	Cambridge.		
		p Cambridge	28th	45	28th, 1st	67.5	48.8	57.7	+ 3.8	110	0	0.17	- 0.29	33.7	+ 2.2	41	+ 3	Felixstowe.		
		a Felixstowe	26th	48	28th	65.1	54.1	59.3	+ 4.0	121	0	0.00	—	44.3	—	53	—	Clacton.		
b, South.	a Clacton-on-Sea	27th	50	30th	64.4	52.6	58.2	+ 3.3	113	0	0.01	—	35.6	—	43	—	Rothamsted.			
	a Rothamsted	28th	42	28th	65.6	48.4	56.6	+ 3.8	102	0	0.07	- 0.48	28.0	- 2.7	34	- 3	Southend.			
	a Shoeburyness	28th	45	28th	65.6	52.6	58.3	+ 2.8	118	0	0.01	- 0.44	27.1	—	33	—	Tottenham.			
	p Tottenham	28th	46	28th	67.8	50.9	58.9	+ 4.0	118	0	0.35	- 0.25	—	—	31	—	Harrogate.			
4. MIDLAND COUNTIES.		a Harrogate	28th	42	30th, 1st	62.7	48.5	55.3	+ 3.7	93	0	0.29	- 0.32	32.4	—	39	—	Workshop.		
		a Bawtry	28th, 29th	38	1st	67.1	45.3	55.7	+ 2.9	96	0	0.22	- 0.19	30.3	+ 5.5	37	+ 7	Buxton.		
		p Buxton	28th	39	1st	68.1	47.4	54.4	+ 4.7	87	0	0.21	- 0.69	37.9	—	46	—	Nottingham.		
		a Nottingham	28th	39	1st	66.6	47.6	56.6	+ 3.5	102	0	0.28	- 0.20	32.2	—	39	—	Birmingham.		
		p Birmingham, Edgbn	28th	47	28th	65.7	51.3	58.2	+ 5.4	113	0	0.04	- 0.46	33.1	—	40	—	Birmingham.		
		a Raunds	28th	41	28th	68.6	48.5	58.1	+ 5.0	113	0	0.07	—	—	—	—	—	Oxford.		
		a Oxford	28th	41	28th	67.6	48.7	57.7	+ 3.9	110	0	0.31	- 0.16	24.8	- 5.6	30	- 7	Sheffield.		
b, West.	a Cheadle	28th, 1st	46	28th	63.4	50.6	56.7	+ 5.1	103	0	0.36	- 0.28	34.5	—	42	—	Sheffield.			
	p Shrewsbury	27th	43	28th	68.6	49.1	57.4	+ 3.6	108	0	0.38	—	—	—	—	—	Cirencester.			
	a Hereford	28th	42	28th, 1st	65.9	47.3	56.2	+ 2.8	99	0	0.12	- 0.36	—	—	—	—	Bath.			
	a Cirencester	28th	41	28th	67.4	46.8	56.1	+ 3.0	99	0	0.35	- 0.23	25.4	- 3.7	31	- 5	Ramsgate.			
	a Bath	28th	42	25th	67.3	48.3	57.3	+ 2.4	107	0	0.06	- 0.52	29.9	—	36	—	Kew.			
5. ENGLAND, S.E.		p Kew	28th	42	28th	67.8	49.3	58.1	+ 3.8	113	0	0.13	- 0.37	31.9	+ 2.9	38	+ 4	Marlborough.		
		a Marlborough	28th	38	25th	67.0	46.5	56.3	+ 4.3	100	0	0.09	- 0.44	25.4	- 1.2	31	- 1	Margate.		
		a Margate	28th	51	28th	69.4	53.8	59.3	+ 3.8	125	0	0.06	- 0.44	38.8	+ 7.4	47	+ 9	Wisley.		
		a Wisley, Surrey	28th	42	25th	68.0	48.9	58.0	+ 3.4	112	0	0.08	—	81.2	—	38	—	Worthing.		
		a Swaraton	28th	38	25th	66.8	46.8	56.3	+ 3.4	100	0	0.21	- 0.39	36.7	—	44	—	Tunbridge Wells.		
		a Tunbridge Wells	28th	47	25th, 26th	67.1	49.5	57.9	+ 3.9	111	0	0.00	- 0.63	34.3	+ 1.1	41	+ 1	Littlestone.		
		a Dungeness	28th	48	25th	69.9	52.0	57.7	+ 1.5	110	0	0.06	- 0.50	27.9	—	34	—	Hastings.		
	p Hastings	27th, 28th	52	25th	64.0	53.8	58.7	+ 2.6	117	0	0.05	- 0.65	33.0	- 2.1	40	- 3	Southampton.			
	p Southampton	27th, 28th	46	25th	67.0	51.0	58.6	+ 2.9	116	0	0.12	- 0.48	32.8	- 0.4	40	- 1	Ventnor.			
	a Ventnor	26, 27, 28th	53	25th	65.2	55.2	60.0	+ 2.6	126	0	0.31	- 0.31	40.3	+ 4.6	49	+ 6	Eastbourne.			
LONDON		a Westminster	28th	48	28th	67.4	51.4	59.0	+ 4.4	119	0	0.38	- 0.10	25.8	+ 3.0	37	+ 4	Westminster.		
		a Greenwich	28th	44	28th	67.4	51.4	59.0	+ 4.4	119	0	0.10	- 0.38	30.7	- 0.8	37	- 1	Greenwich.		
6. SCOTLAND, W.	a, SCOTLAND, W.	a Poltalloch	25th	45	1st	58.1	49.3	53.5	+ 1.7	81	0	0.83	- 0.31	—	—	—	—	Glasgow.		
		p Glasgow	1st	46	1st	59.3	50.1	54.7	+ 3.4	89	0	0.34	- 0.43	10.1	- 10.8	12	- 13	Kilmarnock.		
		p Rothesay	25th	47	29th, 30th	59.3	50.9	54.9	+ 2.9	90	0	0.83	- 0.17	—	—	—	—	Dumfries.		
		a Kilmarnock	1st	43	1st	59.4	48.9	53.9	+ 2.4	83	0	0.74	—	12.4	—					

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound ..	—	—	50.5	—	Harrogate ..	0	36	53.5	53.0	6. Dumfries ..	0	31	55.1	56.0
1. Aberdeen ..	—	—	—	51.8	4. Buxton ..	0	33	54.4	53.6	Douglas ..	0	40	—	—
Crathes ..	0	31	54.2	52.8	Sheffield ..	1	29	52.7	52.3	Aspatia ..	0	32	54.0	53.0
Balmoral ..	0	35	—	—	Nottingham ..	0	39	54.4	53.6	Newton Rigg ..	0	31	54.6	53.8
West Linton ..	1	29	—	—	Birmingham ..	0	35	53.7	52.0	Burnley ..	0	34	53.5	52.8
Marchmont ..	0	36	52.6	—	Oxford ..	0	—	—	—	Southport ..	0	36	56.7	56.5
Cockle Park ..	2	27	51.6	51.9	Hereford ..	0	36	—	—	Manchester City ..	0	41	55.2	55.6
Durham ..	0	32	—	—	Cirencester ..	0	33	54.9	54.8	Bettws-y-Coed ..	0	42	53.3	53.0
York ..	—	—	55.6	55.1	Bath ..	—	—	57.5	58.0	Llangammarch Wells	2	23	53.2	53.5
Hull ..	0	36	54.1	54.0	Margate ..	0	44	56.8	56.4	Cardiff ..	0	40	55.9	55.9
Lincoln ..	—	—	54.7	54.6	Greenwich ..	0	32	—	—	Clifton ..	0	38	—	—
Rauceby ..	0	37	56.7	55.0	Westminster ..	0	42	—	—	Plymouth ..	0	46	—	—
Norwich ..	0	40	—	—	Kew ..	0	38	56.1	55.8	9. Armagh ..	0	35	55.5	55.2
Yarmouth ..	—	—	57.1	58.0	Canterbury ..	0	39	55.1	56.1	Markree ..	1	29	56.1	55.7
Lowestoft ..	0	45	57.6	57.6	Tunbridge Wells ..	0	40	56.2	—	10. Dublin, Trin. Coll. ..	0	86	56.2	55.5
Cambridge ..	0	38	56.3	56.2	Wisley ..	0	37	56.3	56.6	11. Guernsey, Brooklyn	0	42	59.4	59.1
Clacton-on-Sea ..	0	39	57.4	57.3	Worthing ..	0	40	57.2	57.8					
Southend ..	0	46	59.4	—	Portsmouth ..	0	42	57.9	58.1					
Tottenham ..	0	41	—	58.0	6. Glasgow ..	0	35	—	—					
					Rothesay ..	—	—	—	53.0					
					Colmonell ..	0	43	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N. ..	Lerwick ..	52	51	51.7	SCOTLAND, W. ..	Lamlash ..	54	54	54.0
	Kirkwall ..	53	50	52.0		Ballantrae ..	54	54	54.0
	Wick ..	53	53	53.0	ENGLAND, N.W. ..	Port Erin ..	57	55	55.8
SCOTLAND, E. ..	Cromarty ..	54	53	53.5		Newquay ..	60	59	59.2
	Pennan Bay ..	55	52	53.1	ENGLAND, S.W. ..	Selly ..	58	55	56.0
	Aberdeen, Cove Bay ..	54	54	54.0		Plymouth ..	56	55	55.4
ENGLAND, N.E. ..	Burnmouth, Berwick ..	53	52	52.6		Salcombe ..	60	57	58.7
	Scarborough ..	56	54	54.5	IRELAND, N.W. ..	Sheephaven ..	59	56	57.1
ENGLAND, E. ..	Shipwash Lightship ..	60	58	59.1		Teelin ..	58	56	57.2
ENGLAND, S.E. ..	Margate ..	61	58	58.8	IRELAND, S.W. ..	Cleggan ..	56	54	55.6
	Eastbourne ..	59	57	58.6	IRELAND, E. ..	Seafield ..	58	55	56.5

: Only one observation each day.

REGISTERING BALLOON ASCENTS.

DITCHAM PARK, PETERSFIELD, June 2nd, 1910, 7.30 p.m.

Height. Kilometres.	Pressure. Mgd.	Temperature. A°.	Height. Kilometres.	Pressure. Mgd.	Temperature. A°.	Height. Kilometres.	Pressure. Mgd.	Temperature. A°.
Ground	0.989	285	4.5	581	265.5	8.5	338	235
0.5	984	289	5.0	544	262	9.0	315	232
1.0	892	287	5.5	511	258	9.5	292	228
1.5	839	284	6.0	478	254	10.0	271	225
2.0	790	281.5	6.5	448	250	11.0	234	224
2.5	742	279	7.0	418	246	12.0	201	224
3.0	698	276	7.5	391	242	13.0	173	227
3.5	656	272.5	8.0	365	238	14.0	150	226
4.0	618	269						

Balloon fell at Mundford, Norfolk, distant 208 km., direction N. 32° E. Mean Temperature Gradient (Ground to 10 km.) 0.60° per 100 metres.
 Balloon went N.E. St. Cu. from S.S.W., Cl. from S. Good trace. Unusual inversion of 3° suddenly just under 13 km. Lowest temp. 223.5° at 10.4 km. Greatest height 14.7 km. temp., 225°.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: → = a heavy gale; →→ = a gale; →→→ = a fresh to strong breeze; →→→→ = a light to moderate breeze; and ○ = a calm. In the left-hand chart the weather is indicated as follows: —b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

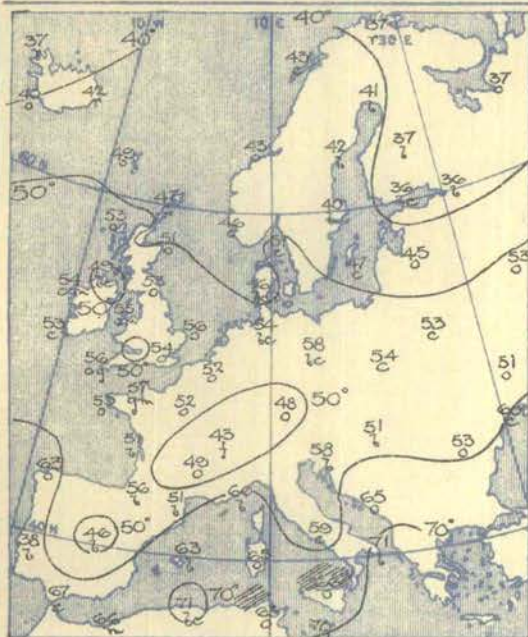
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 25th September, 1910.

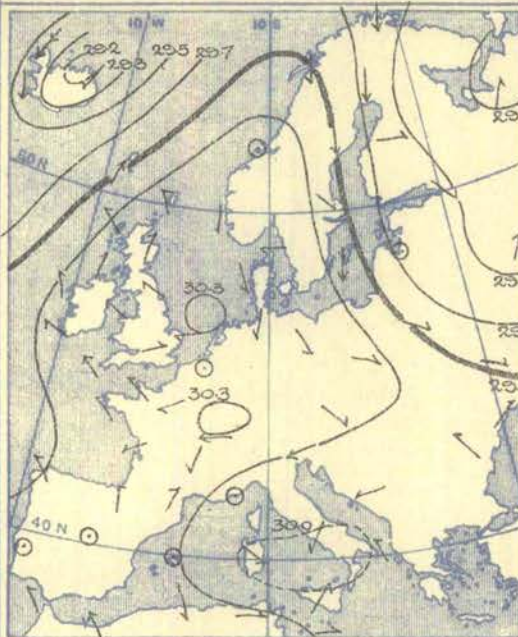
Temperature and Weather.

7 a.m.

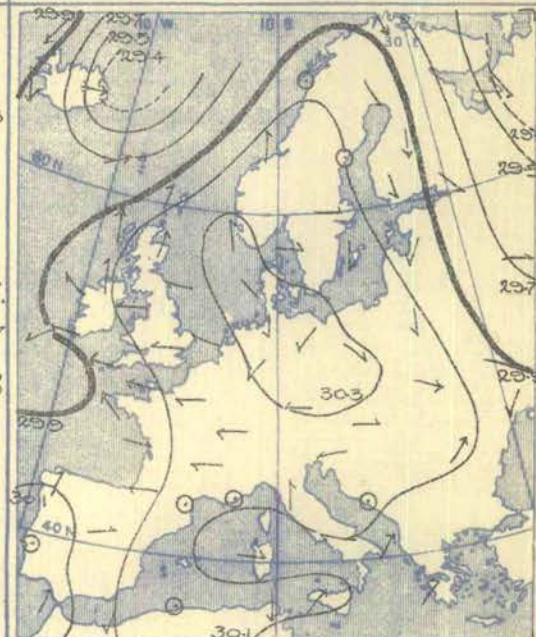


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over the major portion of our area, but rainy in Iceland¹ and at Vardø, and also at Bucharest, and overcast in nearly all parts of the United Kingdom, with rain at Holyhead. Rain, generally very slight, in the west and south-west of these Islands later, and also in various parts of Russia, and heavy falls in Sicily and the south of Italy; about 2.0 ins. at Palermo.

Temperature fallen at most stations in the north-west of our area. Morning readings ranging from about 70° at a few places in the far south, to below 50° over a large portion of France and Bavaria, northern Europe, and at Nairn, and to below 40° in the north-east of our area. Maxima during day 81° at Madrid, and between 70° and 80° over a very large area in the south, but below 60° at many stations in central Europe and at several in these Islands.

Wind in morning light, anticyclonic over these Islands and their neighbourhood, and strong to a gale from the Northward over Sweden and the Baltic. A light to moderate cyclonic circulation prevailing over the Mediterranean, and a strong gale from the North-Eastward in the north-west of Iceland. Gale becoming more general in Iceland by evening, and a considerable increase in the force of the wind from East occurring on the south-west coasts of this country.

Barometer in morning above 30.2 ins. over these Islands and a large part of the Continent; below 30.0 ins. in a shallow depression over Italy, below 29.2 ins. in a deep disturbance over Iceland, and nearly as low in the extreme north of Russia. Icelandic depression travelling eastward during day, and pressure increasing very quickly in its rear. A very brisk fall of the barometer setting in in the south-west of England and Ireland, and a steady fall taking place in these Islands as a whole.

Monday, 26th September, 1910.

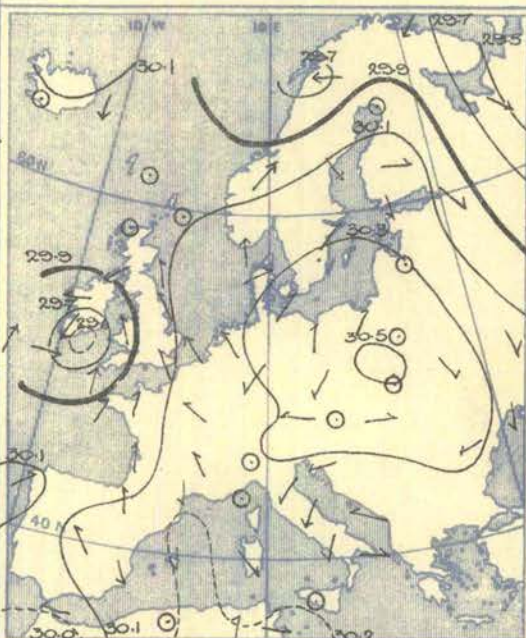
Temperature and Weather.

7 a.m.

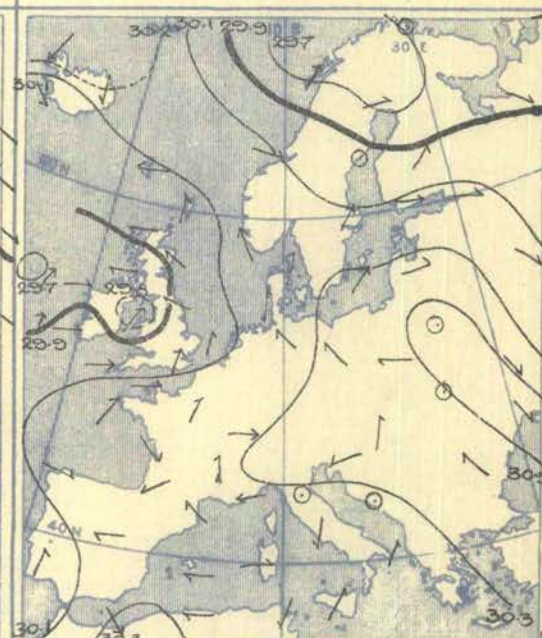


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rather rainy in the south-west and west of these Islands, and cloudy to overcast over the greater portion of this country. Fair to fine and bright over most of the Continent, but rain falling at Madrid and Palermo, as well as in some Scandinavian localities, and snow at Vardø. Some rain experienced later in nearly all the western and northern parts of the United Kingdom, and also in Norway and at Cagliari. Measurements small over this country.

Temperature in morning ranging from above 65° at several stations in the far south, to below 50° over most of the mainland of the Continent, to below 40° in many districts, and to 30° in the north of Sweden. Rising during day to 65° or rather above in several English localities, and to 70° at Brussels, but failing to reach 60° at many places in the central countries, and only touching 50° at Prague. Maxima above 75° over a large area in the south, 82° at Athens, and 88° at San Fernando.

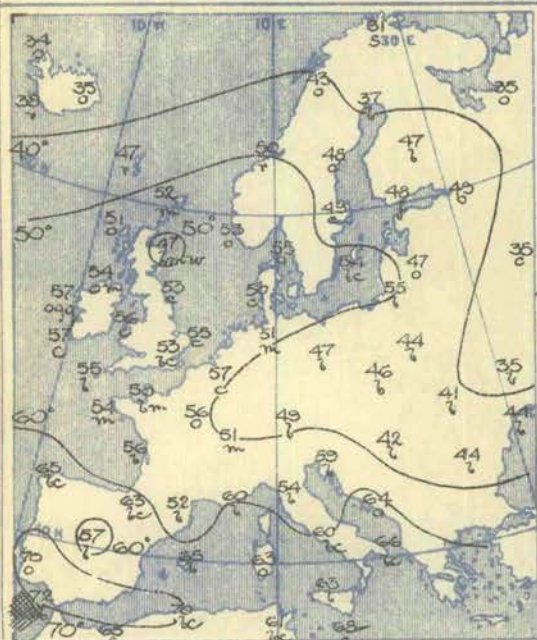
Wind in morning mainly anticyclonic over the Continent, except in the north of Scandinavia, but chiefly cyclonic over the United Kingdom; southerly to south-easterly current fresh to strong on our south-west coasts. Light, variable airs prevailing over the Mediterranean. Veering to the South-Westward by evening in the south-west of England, and continuing to blow a strong breeze. A strong gale from the South-West setting in at Bodø.

Barometer in morning above 30.5 ins. in a very extensive anticyclone centred to the northward of Cracow; below 29.6 ins. in a small disturbance having its minimum over the south of Ireland, nearly as low in another disturbance in the north-west of Norway, and rather lower in the north-east of Russia. Irish depression travelling north-eastward during day and becoming less deep; pressure increasing very briskly in its rear. Anticyclone extending in a south-easterly direction towards south-eastern Europe.

Tuesday, 27th September, 1910.

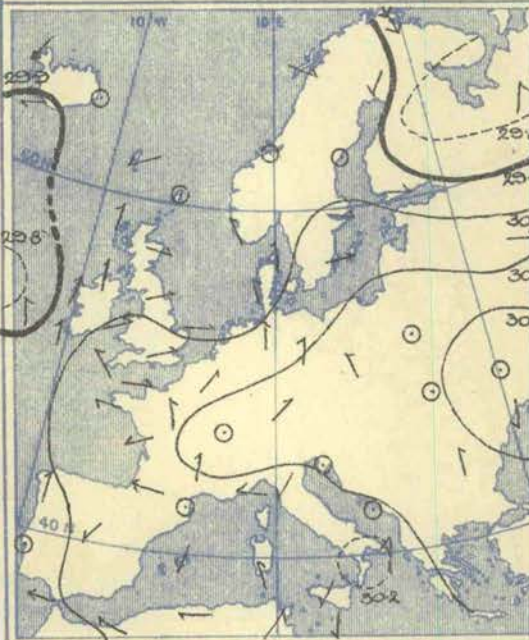
Temperature and Weather.

7 a.m.

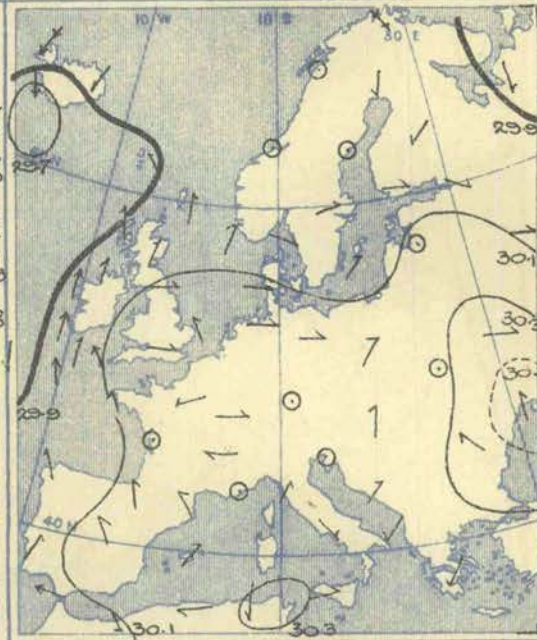


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright over our area generally, but dull, with rain in places, over the Icelandic region and in the west of Norway, and mostly overcast in the north-west of these Islands. More than 0.5 in. of rain later in some parts of Ireland, and smaller amounts in the north of Scotland; about 1.4 in. at Patras, 0.75 in. at Brindisi, and also at Cagliari.

Temperature changed rather irregularly, but risen in most regions. Morning readings 31° at Vardö, below 40° over nearly the whole of Russia, and below 50° over the greater portion of central Europe; above 70° at a few stations in the far south of our area. Rising later to 71° at Deal and Oxford, and to 70° in many other English localities. Maxima about 80° at many places in the south of Europe, but below 70° in the central countries; very little above 60° at several stations, and below it at Prague.

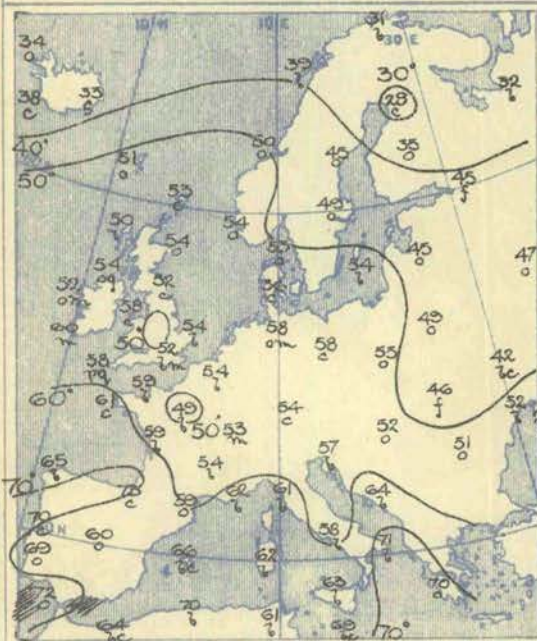
Wind in morning varying a good deal in direction and mainly light in force. Anticyclonic over all the central countries of the Continent. A high wind from North-East prevailing in the north-west of Iceland, and a North-Westerly gale at Vardö. A gale from North-East springing up later at Isafjord, and gale at Vardö continuing. Southerly current becoming more general over these Islands.

Barometer in morning ranging from above 30.5 ins. in the south of Russia, to below 29.8 ins. in a depression over the White Sea region, and also in another some distance to the west of Ireland. Below 30.0 ins. in a smaller system off the north-east of Scotland. An extensive low pressure system beginning to spread over these Islands during day from the westward, but not much change occurring in the general distribution of pressure.

Wednesday, 28th September, 1910.

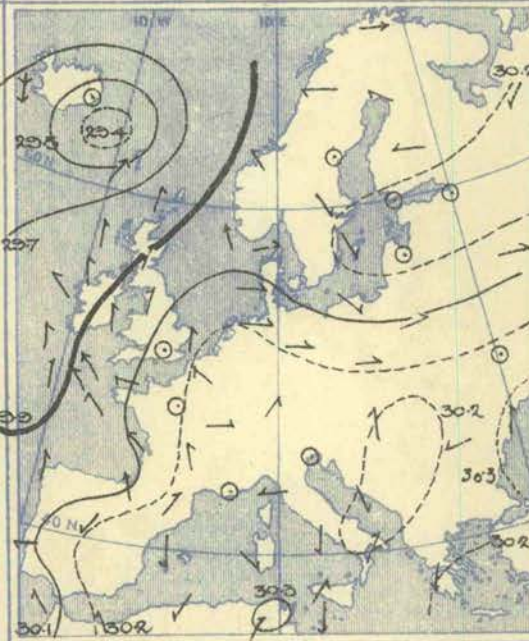
Temperature and Weather.

7 a.m.

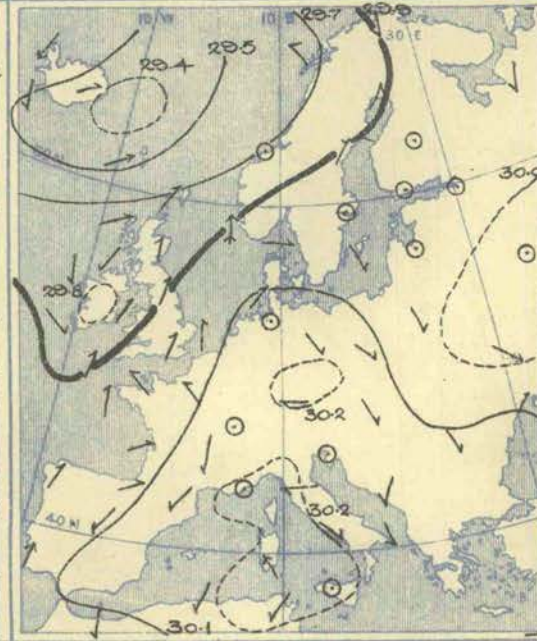


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast in the west and north of these Islands, and in many places in the central and northern countries of the Continent; rain falling in some Irish localities, and rain or snow in Iceland. Fair to fine and bright over most of England and the greater part of the Continent. Rain experienced later in most parts of this country, Scandinavia, and at some Russian stations; as much as 0.8 in. at Donaghadee, and also at Skudenäs. A thunderstorm occurring at Oxford.

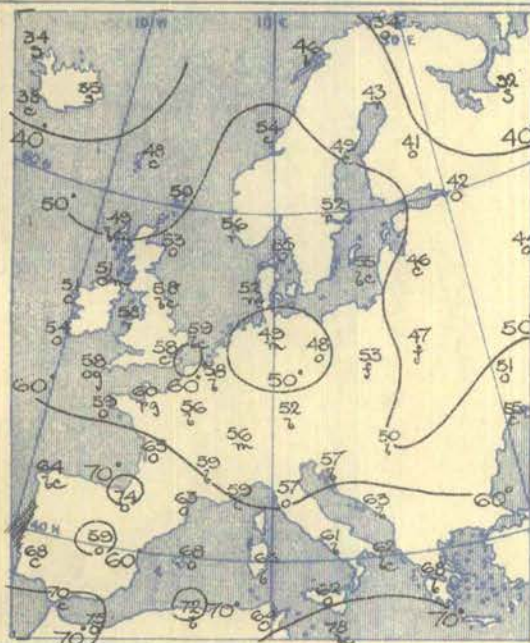
Temperature fallen somewhat in most regions, but changes irregular generally. Morning readings ranging from about 32° in the extreme north of the Continent, to a few degrees on either side of 50° over a very large area, to above 60° at many stations in the south, and to about 70° in places. Maxima during day above 70° in many parts of England; as high as 75° in London. Thermometer remaining below 70° over most of central Europe and in northern Italy, but rising above 75° in many French localities, and touching 80° in places.

Wind in morning showing an anticyclonic circulation over a large portion of the Continent, and a cyclonic movement in the west and north-west of our area. A gale from North prevailing at Reykjavik, but very few places elsewhere with a greater strength than a moderate breeze. Wind shifting to the Northward later along the west coast of Ireland, but little change of a general character.

Barometer in morning above 30.3 ins. in the south of Russia; below 29.4 ins. in a large depression centred between the Faröe and Iceland, and relatively low to the westward and south-westward of Ireland. A shallow minimum appearing over Ireland by evening, and pressure decreasing steadily over the United Kingdom generally, as well as in France and the Netherlands.

Temperature and Weather.

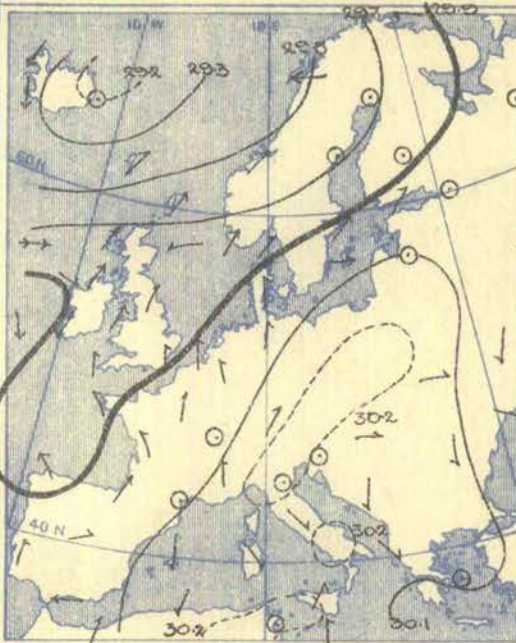
7 a.m.



Temperature risen in several parts of England and Scandinavia. Morning readings ranging from below 35° in the north of our area, to about 60° in the south-east of England, between 60° and 70° at most places in the south of Europe, and to 76° at Malta. Rising later to 85° at Nemours, about 80° at several other stations in the extreme south, and to above 70° over a wide area. Thermometer rising to 77° at Brussels. Maxima above 65° at many places in England, and nearly 70° in places.

Barometer and Wind.

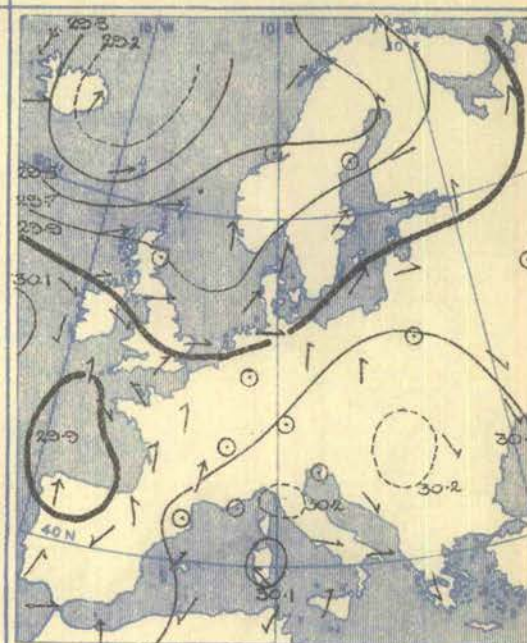
7 a.m.



Wind in morning very light to moderate as a whole, and mainly from between South and South-West over England and the north-western countries. A high wind from the North-East prevailing in the west of Iceland, and very light breezes from the Northward in Ireland. Increasing to a gale from North-East by evening at Isafjord, and to a high wind from the Westward at Thorshavn. Little change occurring elsewhere.

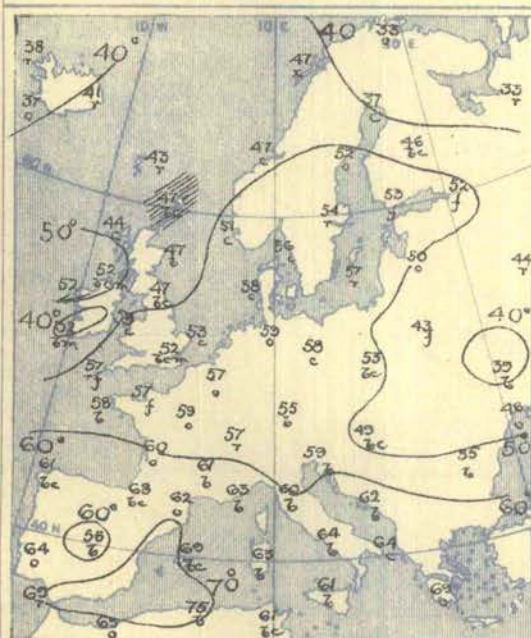
Barometer in morning above 30.1 ins. over a very large portion of central and southern Europe; below 29.2 ins. in a depression centred over Iceland, and relatively low in a trough covering England and the Bay of Biscay. Not much modification occurring during day in the general distribution of pressure; northern depression moving slowly eastward, and a high pressure system on the Atlantic beginning to extend over the west of the United Kingdom.

6 p.m.



Temperature and Weather

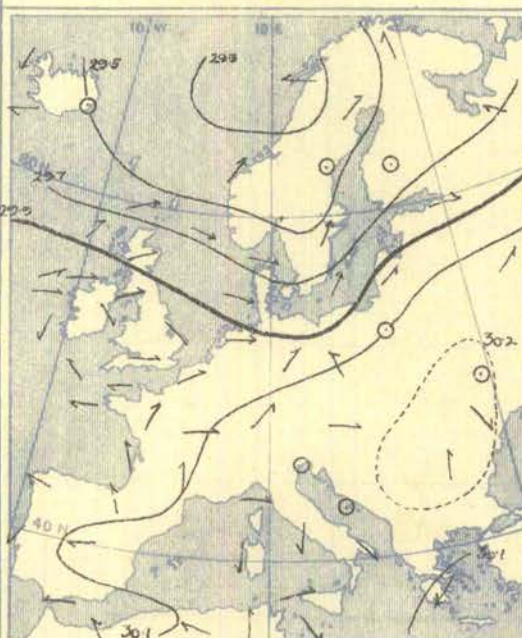
7 a.m.



Temperature fallen over the United Kingdom, risen in western Europe as a whole. Morning readings ranging from about 70° on some shores of the Mediterranean, to below 50° in most northern and north-eastern regions, and to below 40° in the far north and at Kieff. Rising later to 71° at Jersey, and to 65° or above in many parts of England. Maxima above 70° in nearly all French localities, between 75° and 80° in the extreme south of Europe, and 90° at Oran and Algiers.

Barometer and Wind.

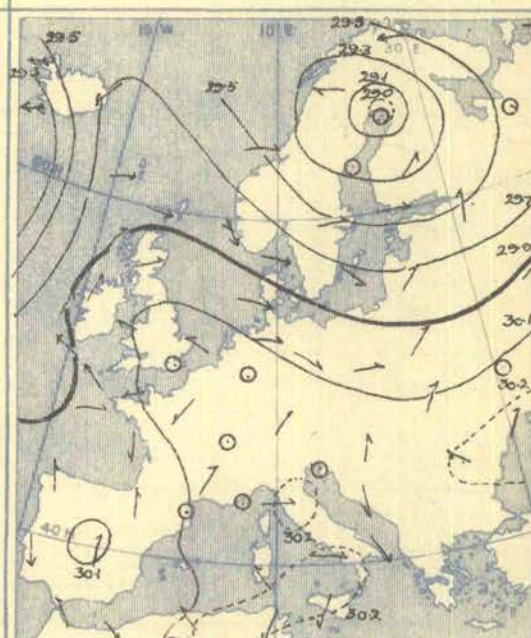
7 a.m.



Wind in morning mainly Westerly to South-Westerly over the northern half of these Islands and throughout northern Europe; light to moderate generally, but strong in the south of Scandinavia. Light breezes from various quarters prevailing over the central and southern countries. Backing to the Southward later in the west of these Islands, and veering somewhat and increasing to a gale on the west coast of Norway. Increasing to a fresh to strong gale from the Eastward in Iceland.

Barometer in morning 30·6 ins. to above 30·2 ins. in a very large anticyclonic system having its chief maximum over the east of Europe, and a secondary maximum over Italy; below 29·3 ins. in a large depression with moderate to slight gradients between the north of Norway and Iceland. A well-marked baric minimum appearing in the north of Sweden by evening, and a large depression on the Atlantic moving nearer to this country and causing a fall of the mercury in Ireland.

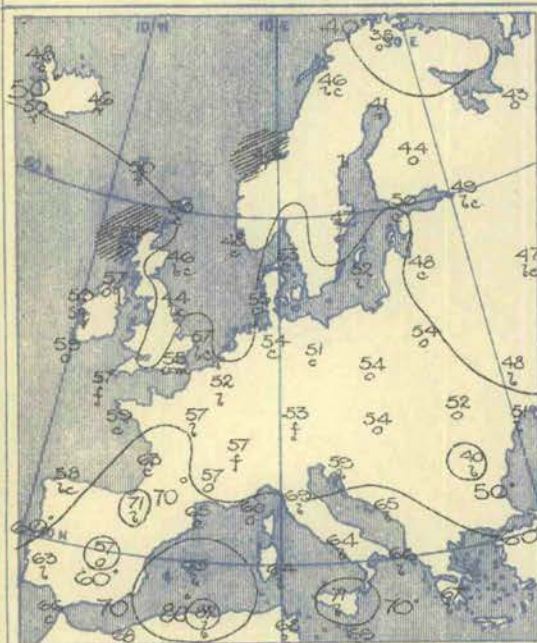
6 p.m.



Saturday, 1st October, 1910.

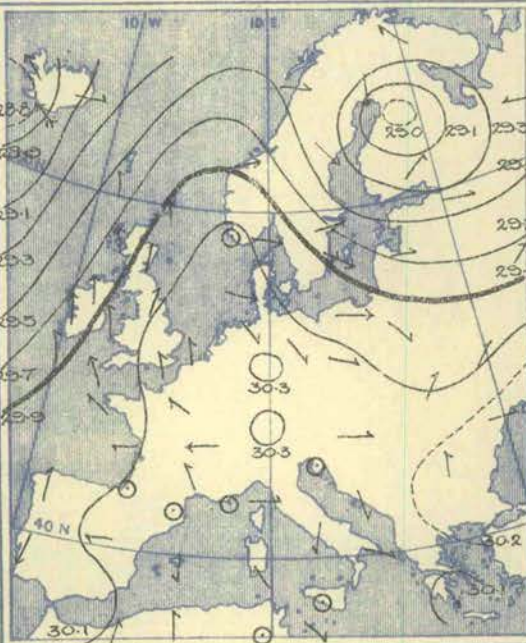
Temperature and Weather.

7 a.m.

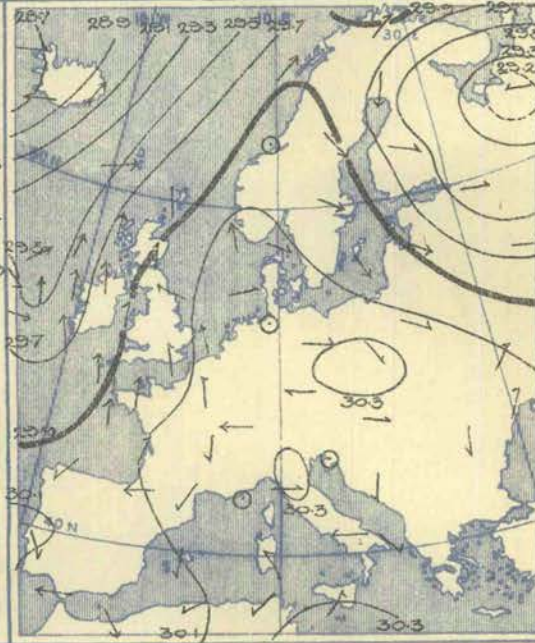


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning overcast in the west and north-west of these Islands and in the far north of the Continent, with rain in some places. Fair to fine and bright in most other regions, but foggy or misty in various parts of Germany and the east of France, and on some of our own coasts. Rain falling later in nearly all parts of the United Kingdom, as much as 0.6 in. in the south-west of Ireland and at Spurn Head. Thunderstorms occurring at Jersey and in some English localities. About 0.8 in. at Archangel and Biarritz, and 0.6 in. at Moscow.

Temperature changed rather irregularly; risen quickly in Ireland. Morning readings between 50° and 60° over a very large portion of our area, but below 50° in several parts of Great Britain, northern Europe, and at Cassel, and below 40° at Vardo. Above 70° on some shores of the Mediterranean, and as high as 82° at Algiers. Rising later to about 70° in several parts of Great Britain, as well as at Brussels, to above 70° in France and southern Europe, and to 90° at Algiers. Remaining below 60° in some parts of Germany and at Lemberg.

Wind in morning moderate to fresh or strong from the Southward on the west and north-west coasts of this country, but light and anticyclonic over the southern half of the Continent. An extensive cyclonic circulation prevailing over Scandinavia and its vicinity, the Westerly current being fresh or strong to a gale over the Baltic region and also in the west of Norway. Increasing in force from the Southward during the day in the west of these Islands, and becoming strong at night; blowing a gale from South-West at Seydisfjord. Veering to the North-Westward and increasing to a gale on the Gulf of Finland.

Barometer in morning above 30.2 ins. in a large portion of central and southern Europe, and also over the Black Sea region; below 29.0 ins. in a large depression centred over the extreme north of Finland, relatively low off the west of Ireland, and below 28.8 ins. in a disturbance to the westward of Iceland. A deep depression appearing over the Icelandic region later, and a "V-shaped" secondary approaching Ireland. Pressure rising somewhat over central Europe.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.	Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Sept. 26th, 10.5 a.m. to 10.58 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	288.5° 90% 110°, 7	287.5° 90% 135°, 12	285.5° 100% 180°, 13	285° 70% 180°, 15			284° 90% 190°, 16	Clouds at 400 m. Inversion of 2° C. at 650 m. Upper clouds not reached.

APPARATUS USED IN THE KITE ASCENT.

No. of Ascent.		1
No. of Kites..	..	1
Area of Surface (sq. metres) ..	..	7
Length of Wire (metres) ..	..	1,700

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. }
Vol. XXVII. (New Series.)

No. 40. FORTIETH WEEK, SUNDAY, OCTOBER 2ND, TO SATURDAY, OCTOBER 8TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—After heavy rain in the western and north-western districts on Sunday, and some more moderate falls elsewhere, the weather over the Kingdom generally was fair to fine. Slight rain occurred however rather frequently in the extreme north of Scotland, and a little was experienced some time during the period in most other localities. Thunder and lightning occurred at some places in the east of England on Sunday, and aurora was observed at Aberdeen on the nights of Thursday and Saturday.

Temperature was above the average, the excess amounting to about 4° over a considerable portion of the country, and to about 6° in England N.E. and Scotland E. The highest of the maxima were recorded on different dates, and ranged from 74° in England E., above 70° over the eastern and central parts of Great Britain generally, and 70° in Ireland S. to 66° in Ireland N. The lowest of the minima, which were registered late in the week at most stations, varied from 32° in Scotland E. to 41° in Ireland S., and to 46° in the English Channel. The nights generally were very mild for the time of year. The lowest grass readings reported were 29° at West Linton, 30° at Crathes and Newton Rigg, 31° at Cockle Park (Morpeth) and Llangammarch Wells, and 32° at Sheffield and Armagh.

Mean Temperature of the Sea. On nearly all parts of the coast the water had a rather higher temperature than during the corresponding week of last year. The means for the period ranged from about 59° at Newquay, Margate, the Shipwash, and Eastbourne to 54° off the west of Scotland and also at Aberdeen, and to 51° at Lerwick.

Rainfall was much less than the average. In England E. and S.E. the fall was less than 0.1 in. and at some stations in the east of England the week was rainless. Falls of more than an inch were reported on the 2nd over a large area in Ireland and the south-west of Scotland, and also in the Isle of Man; at Douglas the measurement amounted to 1.6 in.

Bright Sunshine exceeded the average except in Scotland N. and Ireland S. The percentage of the possible duration ranged from 52 in the English Channel and 49 in England N.E. to 31 in Scotland W. and Ireland S., 28 in Ireland N., and 24 in Scotland N.

Barometer and Wind.—At the beginning of the week a "V-shaped" depression, secondary to a large disturbance over the Icelandic region, developed considerable intensity as it travelled eastward over these islands and caused fresh to strong winds from the Southward in many parts of the Kingdom as it advanced, and strong winds or gales from the Westward or North-Westward on various parts of our western and southern coasts as it moved away. By Monday evening it had reached Norway, and during the remainder of the week the weather was dominated by a well-marked anticyclone which moved slowly in an easterly direction from the Atlantic to beyond the North Sea. The winds were consequently light in force, and mainly from the Westward or South-Westward in the north, and from the Eastward or North-Eastward in the south.

THE WEEK.

For explanation of the terms "Unusual, &c., see p. 324.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with aver- age for the time of year	Warmth ...	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Light	Light	Very light	Light	Very light	Moderate	Light	Light	Light	Moderate	Very light
	Sunshine ...	Moderate	Very abundant	Abundant	Moderate	Moderate	Abundant	Moderate	Very abundant	Abundant	Moderate	Moderate	Abundant

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 5 weeks from Sept. 4th, 1910.	{	Warmth ...	2 * 0	2 * 1	2 * 3	2 * 2	2 * 2	2 * 3	2 * 0	2 * 3	2 * 2	2 * 1	2 * 2	2 * 2
		Rainfall ...	0 * 4	0 * 5	0 * 5	1 * 4	0 * 3	0 * 4	0 * 3	0 * 5	0 * 5	0 * 4	0 * 3	0 * 4
		Sunshine ...	2 * 1	2 * 1	2 * 2	0 * 2	0 * 2	2 * 2	2 * 1	2 * 0	3 * 1	1 * 2	0 * 1	1 * 2

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
		5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
		10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
		6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
		4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
		5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 2½ years' observations (1881-1910). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FORTIETH WEEK—October 2nd to October 8th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
0. SCOTLAND, NORTH	67	39	58.3	49.1	53.6	+ 5.5	Day-deg. 81	Day-deg. + 34	Day-deg. 0	Day-deg. - 3	6	+ 1	Inches. 1.03	Inches. - 0.34	19	0	% 24	% 0
Eastern																		
1. SCOTLAND, EAST	72	32	61.8	47.5	54.5	+ 6.0	88	+ 37	0	- 4	2	- 3	0.27	- 0.49	37	+ 15	47	+19
2. ENGLAND, N.E.	72	39	63.6	49.5	56.3	+ 5.9	100	+ 39	0	- 2	2	- 2	0.32	- 0.21	39	+ 14	49	+17
3. ENGLAND, EAST	74	40	63.9	50.0	56.7	+ 5.2	103	+ 34	0	- 2	1	- 3	0.02	- 0.56	32	+ 4	40	+ 6
4. MIDLAND COUNTIES	73	40	62.7	47.3	54.8	+ 4.5	90	+ 28	0	- 3	1	- 3	0.21	- 0.41	28	+ 4	35	+ 5
5. ENGLAND, S.E.	71	39	64.1	50.2	57.0	+ 4.1	105	+ 27	0	- 1	1	- 3	0.09	- 0.61	36	+ 9	45	+11
Western																		
6. SCOTLAND, WEST	69	39	59.8	49.4	54.5	+ 4.6	88	+ 31	0	- 2	3	- 2	0.94	- 0.26	25	+ 2	31	+ 3
7. ENGLAND, N.W.	69	37	61.5	48.8	55.0	+ 3.9	91	+ 26	0	- 1	2	- 2	0.41	- 0.52	35	+ 12	43	+15
8. ENGLAND, S.W.	67	39	61.7	49.5	55.4	+ 3.0	94	+ 20	0	0	2	- 3	0.33	- 0.67	35	+ 9	44	+11
9. IRELAND, NORTH	66	38	60.2	48.4	54.1	+ 3.8	85	+ 26	0	- 1	3	- 2	0.45	- 0.47	22	+ 1	28	+ 1
10. IRELAND, SOUTH	70	41	61.1	48.5	54.6	+ 3.0	88	+ 20	0	- 1	3	- 1	0.69	- 0.09	24	- 2	31	- 2
11. ENGLISH CHANNEL	69	46	64.0	53.4	58.5	+ 2.8	116	+ 20	0	0	1	- 3	0.13	- 0.72	42	+ 10	52	+13
THE SEASON (Autumn).—Aggregates, &c., for the Period of 5 Weeks, September 4th to October 8th, 1910.																		
0. SCOTLAND, NORTH	68	34	*	*	*	*	354	+ 33	0	- 6	20	- 4	2.17	- 3.42	116	+ 3	27	+ 1
Eastern																		
1. SCOTLAND, EAST	72	30	*	*	*	*	365	+ 20	0	- 8	9	-11	0.89	- 2.04	148	+ 15	34	+ 3
2. ENGLAND, N.E.	74	34	*	*	*	*	423	+ 21	0	- 2	10	- 7	0.94	- 1.40	146	- 4	34	- 1
3. ENGLAND, EAST	75	36	*	*	*	*	473	+ 17	0	- 3	11	- 5	1.35	- 1.05	145	- 22	34	- 5
4. MIDLAND COUNTIES	76	33	*	*	*	*	423	+ 1	0	- 5	8	- 8	0.84	- 1.67	124	- 23	29	- 5
5. ENGLAND, S.E.	74	32	*	*	*	*	488	- 15	0	- 1	7	- 9	0.58	- 2.22	177	+ 7	41	+ 2
Western																		
6. SCOTLAND, WEST	69	32	*	*	*	*	405	+ 30	0	- 3	13	- 7	2.22	- 2.77	153	+ 14	35	+ 3
7. ENGLAND, N.W.	73	34	*	*	*	*	425	- 1	0	- 1	9	- 9	0.80	- 2.88	160	+ 18	37	+ 4
8. ENGLAND, S.W.	71	27	*	*	*	*	462	- 7	0	0	7	-12	0.76	- 3.10	181	+ 20	42	+ 5
9. IRELAND, NORTH	69	34	*	*	*	*	410	+ 16	0	- 1	11	-11	1.45	- 2.42	126	- 1	29	0
10. IRELAND, SOUTH	70	35	*	*	*	*	436	6	0	- 1	13	- 6	1.77	- 1.67	132	- 19	31	- 3
11. ENGLISH CHANNEL	74	44	*	*	*	*	567	- 5	0	0	8	-11	0.64	- 2.60	205	+ 5	48	+ 1
THE YEAR.—Aggregates, &c., for the Period of 40 Weeks, January 2nd to October 8th, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	1900	+ 85	595	+ 32	183	- 1	37.07	+ 0.07	1050	+ 53	28	+ 1
Eastern																		
1. SCOTLAND, EAST	80	-10	*	*	*	*	2047	- 68	636	+ 8	153	0	23.61	+ 1.11	1176	- 9	32	0
2. ENGLAND, N.E.	81	6	*	*	*	*	2456	+ 99	454	- 23	144	+ 7	17.70	0.10	1199	- 86	33	- 2
3. ENGLAND, EAST	83	17	*	*	*	*	2779	+ 58	393	-131	146	+ 14	18.47	+ 1.16	1323	- 71	36	- 2
4. MIDLAND COUNTIES	83	10	*	*	*	*	2658	0	474	- 64	143	+ 12	19.66	+ 0.39	1197	- 49	33	- 1
5. ENGLAND, S.E.	81	-13	*	*	*	*	2849	- 73	294	- 88	141	+ 15	19.76	+ 0.85	1368	- 46	28	- 1
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	2367	+ 89	432	+ 4	165	+ 5	35.40	+ 1.56	1230	+ 9	33	0
7. ENGLAND, N.W.	81	7	*	*	*	*	2507	+ 14	338	- 49	163	+ 17	27.39	+ 2.50	1302	+ 63	35	+ 2
8. ENGLAND, S.W.	81	8	*	*	*	*	2686	- 75	242	- 59	152	+ 8	27.98	+ 1.47	1379	0	38	0
9. IRELAND, NORTH	79	7	*	*	*	*	2388	+ 7	351	+ 5	179	+ 5	30.74	+ 3.01	1121	+ 3	30	0
10. IRELAND, SOUTH	79	18	*	*	*	*	1707	- 15	258	- 2	184	+ 30	32.17	+ 3.55	1201	- 58	33	- 2
11. ENGLISH CHANNEL	79	28	*	*	*	*	3092	- 66	54	- 55	150	- 2	23.11	+ 1.19	1554	-123	43	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked a, and at the hour of evening observation (9 p.m.) at Stations marked p. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked R is supplied by the Royal Meteorological Society, and that for Stations marked S is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.											Above 42°	Below 42°
0. SCOTLAND, N.	a, Islands.	p Baltasound	S	57	5th	46	8th	54.1	48.0	51.0	—	Day	Day	Ins.	Ins.	Hrs.	Hrs.	Baltasound.		
		a Sumburgh Head		56	5th, 6th	39	5th	54.1	45.3	49.6	+ 1.9	63	0	0.08	—	16.2	—	Deerness.		
		a Stornoway		60	5th	46	3, 4, 8th	55.9	50.1	53.4	+ 5.1	80	0	0.03	- 0.27	17.5	- 4.3	Stornoway.		
		a Castlebay, Barra Isd.		57	2nd, 4th	48	3rd, 4th	55.9	51.6	53.7	+ 4.1	82	0	0.44	- 0.26	10.7	- 11.7	Castlebay.		
		a Wick		67	5th	44	4th	60.0	48.9	54.3	+ 5.4	86	0	0.44	- 0.21	6.6	—			
	b, Main-land.	p Strathpeffer		64	5th	46	3, 7, 8th	59.9	49.2	54.4	+ 5.8	87	0	0.17	- 0.44	24.0	+ 0.7	Strathpeffer.		
		p Glencarron		64	2nd	44	3rd	57.1	49.6	53.2	+ 5.9	78	0	3.13	+ 1.06	—	—			
1. SCOTLAND, E. ..		p Fort Augustus		66	2nd	44	8th	60.6	50.5	55.4	+ 6.1	94	0	0.26	- 0.38	23.5	+ 7.0	Fort Augustus.		
		p Fort William		65	2nd	46	8th	59.8	50.4	55.0	+ 4.7	91	0	1.65	- 0.12	—	—			
		p Gordon Castle		68	2nd, 5th	40	8th	64.1	48.6	56.1	+ 6.2	99	0	0.17	- 0.53	40.8	—	Gordon Castle.		
		a Nairn		66	2nd, 5th	45	2, 7, 8th	63.3	48.6	55.3	+ 6.4	93	0	0.08	- 0.44	33.6	—	Nairn.		
		a Aberdeen		72	5th, 6th	42	7th, 8th	64.7	47.3	55.7	+ 5.8	96	0	0.34	- 0.28	43.3	+ 18.4	Aberdeen.		
		a Balmoral		64	5th	38	7th	61.0	45.3	52.9	+ 6.7	76	0	1.04	- 0.71	34.5	—	Crathes S.		
		p Crieff		67	5th, 6th	42	7th	62.0	47.9	54.7	+ 4.8	89	0	0.37	- 0.44	43.0	—	Bairduddery		
2. ENGLAND, N.E.		a Leith		67	2nd	40	7th, 8th	62.1	48.9	55.3	+ 4.3	93	0	0.39	- 0.06	—	—	Edinburgh.		
		a West Linton		62	6th	32	7th	57.4	45.5	51.3	+ 3.2	65	0	0.42	—	24.0	—	West Linton.		
		p Marchmont		67	6th	43	7th, 8th	61.1	48.0	54.4	+ 4.9	87	0	0.31	- 0.42	31.9	+ 8.7	Marchmont.		
		a Alnwick Castle		69	6th	39	7th	64.1	47.7	55.7	+ 5.9	96	0	0.33	- 0.38	42.7	—	Cockle Park.		
	a Shields		68	2nd, 6th	44	2, 7, 8th	63.1	47.7	55.2	+ 4.6	92	0	0.62	+ 0.02	34.9	+ 14.8	Newcastle.			
		p Durham		68	7th	41	7th	63.9	48.5	56.0	+ 6.0	98	0	0.61	+ 0.01	42.4	+ 18.9	Durham.		
		p Rounton		68	5th	42	6th	62.0	48.5	55.5	+ 5.7	95	0	0.38	- 0.17	—	—			
3. ENGLAND, E.	a, North.	p Scarborough	M	70	2nd	48	2nd	64.9	50.7	57.6	+ 5.7	109	0	1.12	- 0.48	39.9	—	Scarborough.		
		p York		69	2nd, 5th	45	6th	64.0	50.9	57.3	+ 5.9	107	0	1.40	- 0.12	36.1	+ 12.8	York.		
	b, South.	a Spurn Head		66	2nd	46	3rd	61.0	51.0	55.9	+ 3.2	97	0	1.01	- 0.43	—	—			
		a Lincoln		72	5th	45	6th	65.0	49.3	56.9	+ 5.2	104	0	1.10	- 0.30	40.0	—	Skegness.		
		a Fulbeck		72	5th	45	6th	65.0	49.3	56.9	+ 5.2	104	0	1.10	- 0.30	32.9	—	Rauceby.		
		p Cromer		74	2nd	49	4th	63.8	51.1	57.3	+ 4.8	107	0	0.03	—	30.7	—	Lowestoft.		
		p Hillington		73	2nd	40	6th	64.7	47.2	55.7	+ 3.6	96	0	1.01	- 0.63	30.1	+ 3.2	Cromer.		
4. MIDLAND COUNTIES.	a, North.	a Yarmouth		64	2nd	49	4th, 6th	62.0	52.0	56.9	+ 4.2	104	0	0.00	- 0.59	30.0	—	Hillington.		
		a Norwich		71	2nd	42	6th	63.6	50.6	56.9	+ 3.6	104	0	0.03	—	—	—	Yarmouth.		
		p Geldeston		71	2nd	44	6th	64.1	49.3	56.5	+ 4.2	102	0	0.00	- 0.59	29.9	- 0.4	Goldeston.		
		p Cambridge		72	2nd	43	7th	64.7	48.1	56.2	+ 4.1	99	0	0.04	- 0.45	33.1	+ 4.1	Cambridge.		
	b, South.	a Felixstowe		64	3rd, 5th	48	4th, 6th	62.0	52.0	56.9	+ 3.4	104	0	0.00	—	31.5	—	Felixstowe.		
		a Clacton-on-Sea		66	2nd	48	4th	63.6	51.7	57.5	+ 4.1	109	0	0.00	—	33.8	—	Clacton.		
		a Rothamsted		70	2nd	42	7th	63.0	47.9	55.2	+ 4.2	92	0	1.02	- 0.58	31.7	+ 3.2	Rothamsted.		
5. ENGLAND, S.E. ...		a Shoeburyness		68	2nd	49	4th	63.6	52.0	57.6	+ 3.4	109	0	0.07	- 0.39	32.1	—	Southend.		
		p Tottenham		72	2nd	48	4th	65.6	51.8	58.5	+ 5.1	116	0	1.04	—	32.2	—	Tottenham.		
		a Harrogate		67	5th	45	6th, 7th	62.5	48.9	55.5	+ 5.2	95	0	0.73	+ 0.07	37.6	—	Harrogate.		
	a Bawtry		69	2nd	40	3, 4, 6th	63.4	44.0	53.4	+ 2.2	80	0	1.22	- 0.26	30.6	+ 7.9	Workshop.			
		p Buxton	M	64	6th	41	7th	59.4	47.3	53.2	+ 4.9	78	0	0.57	- 0.40	26.2	—	Buxton.		
		a Nottingham		69	2nd	41	2nd	63.0	46.6	54.6	+ 2.8	88	0	1.04	- 0.48	24.9	—	Nottingham.		
		p Birmingham, Edgbn		73	2nd	46	7th	60.6	50.3	55.3	+ 4.3	93	0	1.11	- 0.44	15.5	—	Birmingham.		
6.	a, East.	a Raunds		68	2nd	46	6th, 7th	60.8	48.4	54.3	+ 5.5	107	0	1.02	—	—	—			
		a Oxford		69	2nd	43	7th	63.7	47.3	55.3	+ 3.2	93	0	1.09	- 0.45	32.0	+ 4.1	Oxford.		
	b, West.	a Cheadle		64	2nd	45	4th, 6th	59.9	47.6	53.6	+ 3.6	81	0	0.22	- 0.45	24.9	—	Sheffield.		
		p Shrewsbury		67	2nd	42	6, 7, 8th	62.0	47.3	54.4	+ 2.2	87	0	1.43	—	—	—			
		a Hereford		66	4th	42	5th	61.4	47.4	54.2	+ 2.2	85	0	1.18	- 0.35	—	—			
		a Cirencester		67	2nd	41	7th	62.5	46.3	54.2	+ 2.6	85	0	1.04	- 0.60	30.0	+ 3.0	Cirencester.		
		a Bath		65	2, 4, 6th	44	2nd, 6th	63.9	46.7	55.1	+ 1.6	92	0	1.27	- 0.34	30.7	—	Bath.		
7.		p Kew		70	2nd	47	4th	64.6	52.1	58.2	+ 5.4	113	0	1.01	- 0.53	31.2	+ 4.8	Ramegate.		
		a Marlborough		66	4th	41	5th	63.1	44.8	53.7	+ 3.1	82	0	1.16	- 0.42	31.0	+ 6.3	Kew.		
		a Margate		70	2nd	48	4th	63.1	53.2	58.0	+ 3.5	112	0	1.07	- 0.47	31.4	+ 2.4	Marlborough.		
		a Wisley, Surrey		71	2nd	46	4th, 6th	65.2	49.6	57.2	+ 4.0	106	0	1.05	—	31.9	—	Margate.		
		a Swaraton		67	2nd	39	4th	62.6	45.9	54.0	+ 2.6	84	0	2.08	- 0.61	36.7	—	Wisley.		
		a Tunbridge Wells		71	2nd	44	4th	64.1	50.1	56.9	+ 4.6	104	0	1.17	- 0.53	42.6	+ 12.2	Worthing.		
		a Dungeness		66	2nd	43	8th	64.0	50.3	57.0	+ 2.1	105	0	1.24	- 0.36	36.7	—	Tunbridge Wells.		
8.		p Hastings		68	5th	47	4th	64.7	52.1	58.2	+ 3.7	113	0	1.08	- 0.68	42.0	+ 9.6	Littlestone.		
		p Southampton		68	4th, 5th	45	4th	65.6	50.5	57.8	+ 3.6	111	0	1.03	- 0.65	35.1	+ 4.6	Hastings.		
		a Ventnor		66	4th, 5th	51	4th, 5th	64.3	53.7	58.8	+ 2.7	118	0	1.04	- 0.56	42.1	+ 0.1	Southampton.		
	LONDON ..	a Westminster		72	2nd	47	4th	65.6	51.7	58.4	+ 4.8	115	0	1.03	- 0.50	23.9	+ 8.7	Ventnor.		
		a Greenwich		73	2nd	47	4th	66.0	50.9	58.2	+ 4.4	113	0	1.08	- 0.42	33.6	+ 5.5	Eastbourne.		
		a Poltalloch	S	61	6th	47	8th	57.7	52.4	55.0	+ 4.7	91	0	0.73	- 0.41	—	—	Westminister.		
	a, SCOTLAND, W. ...	p Glasgow		63	2nd	43	7th	59.4	51.0	55.1	+ 5.3	92	0	0.39	- 0.38	23.0	+ 3.9	Greenwiche.		
9.		p Rothesay		65	5th	42	6th, 7th	59.6	50.0	54.7	+ 4.0	89	0	0.57	- 0.43	—	—	Glasgow.		
		a Kilmarnock		64	2nd	41	7th, 8th	59.7	48.1	53.7	+ 3.5	82	0	0.78	—	29.5	—	Kilmarnock.		
		a Colmonell		69	6th	39	7th	61.5	49.4	55.3	+ 4.4	93	0	1.18	+ 0.20	—	—	Dumfries.		
	b, ISLE OF MAN	p Dumfries		64	2nd, 5th	44	6th, 7th	61.1	49.0	54.9	+ 4.3	90	0	1.03	+ 0.25	25.5	—	Dumfries.		
		p Cally, Gatehouse		67	5th	40	8th	60.2	45.5	52.6	+ 2.7	74	0	1.18	+ 0.18	—	—			
		p Douglas		62	4th, 5th	45	8th	59.2	49.6	54.3	+ 3.2	86	0	1.64	+ 0.66	25.9	- 1.7	Douglas.		
		p Aspatria		67	2nd	40	7th	62.0												

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	50.4	—	Harrogate	0	38	53.2	53.0	6. Dumfries	0	38	55.1	56.0
1. Aberdeen	—	—	—	51.7	Huddersfield	0	34	54.4	53.7	Douglas	0	40	—	—
Crathes	1	30	53.4	—	Buxton	0	33	53.4	52.4	Aspatia	0	36	53.6	53.0
Balmoral	0	35	—	—	Sheffield	0	32	54.6	53.7	Newton Rigg	1	30	54.3	53.7
West Linton	1	29	—	—	Nottingham	0	39	55.0	55.7	Burnley	0	34	53.3	52.9
Marchmont	0	37	52.0	—	Birmingham	0	29	53.3	52.5	Southport	0	34	56.4	56.6
Cockle Park	0	31	52.0	52.0	Oxford	0	36	—	—	Manchester City	0	37	55.5	55.7
Durham	0	39	—	—	Hereford	0	37	54.9	54.9	Bettws-y-Coed	0	38	52.0	53.0
York	—	—	55.5	55.2	Cirencester	0	37	54.9	54.9	Llangammarch Wells	0	31	54.2	53.3
Hull	0	37	54.6	54.0	Bath	—	—	67.4	68.0	Cardiff	0	40	55.3	56.0
Lincoln	—	—	—	—	Margate	0	43	50.9	50.6	Clifton	0	39	—	—
Rauceby	0	37	56.8	55.1	Greenwich	0	39	—	—	Plymouth	0	41	—	—
Norwich	0	36	—	—	Westminster	0	41	—	—	8. Plymouth	0	41	—	—
Yarmouth	—	—	57.0	57.3	Kew	0	37	50.8	55.9	9. Armagh	0	32	55.2	55.1
Lowestoft	0	43	57.5	57.5	Canterbury	0	43	54.6	56.3	Markree	0	34	55.6	55.5
Cambridge	0	34	55.9	56.3	Tunbridge Wells	0	39	56.8	—	10. Dublin, Trin. Coll. ..	0	34	55.5	55.5
Clacton-on-Sea	0	40	57.6	57.4	Wisley	0	38	56.4	56.9	11. Guernsey, Brooklyn	0	40	59.1	59.2
Southend	0	46	59.7	—	Worthing	0	39	57.7	57.7					
Tottenham	0	41	—	58.0	Portsmouth	0	44	57.7	58.2					
					Glasgow	0	36	—	—					
					Rothsay	—	—	—	53.0					
					Colmonell	0	36	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	51	51	51.6	SCOTLAND, W.	Lamlash	54	54	54.0
	Kirkwall	53	51	52.0		Ballantrae	54	54	54.0
	Wick	54	52	53.0	ENGLAND, N.W.	Port Erin	56	55	55.5
	Cromarty	55	53	54.1		Newquay	60	58	59.1
SCOTLAND, E.	Pennan Bay	55	51	52.6		Scilly	57	55	55.7
	Aberdeen, Cove Bay	54	54	54.0	ENGLAND, S.W.	Plymouth	55	53	53.8
	Burnmouth, Berwick	53	52	52.2		Salcombe	60	58	58.2
ENGLAND, N.E.	Scarborough	56	53	54.4		Sheephaven	58	57	57.1
	Shipwreck Lightship	60	59	59.3	IRELAND, N.W.	Teelin	58	56	57.5
ENGLAND, E.	Margate	61	59	59.4		Cleggan	58	53	55.4
ENGLAND, S.E.	Eastbourne	60	58	58.7	IRELAND, S.W.	Seahfield	61	53	56.7
					IRELAND, E.				

* Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1903, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

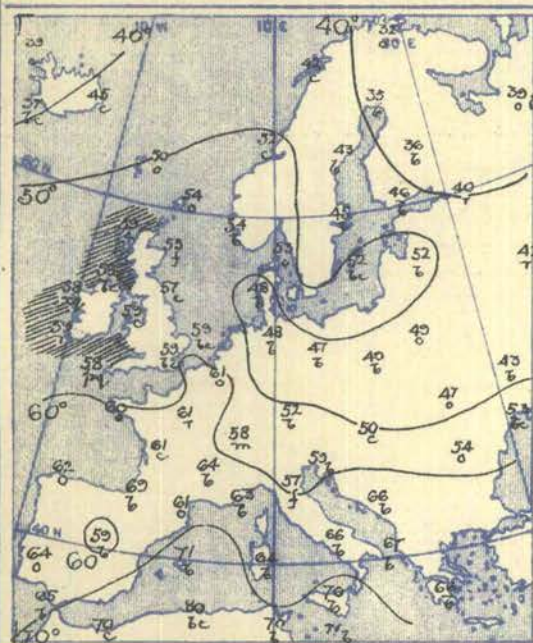
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 2nd October, 1910.

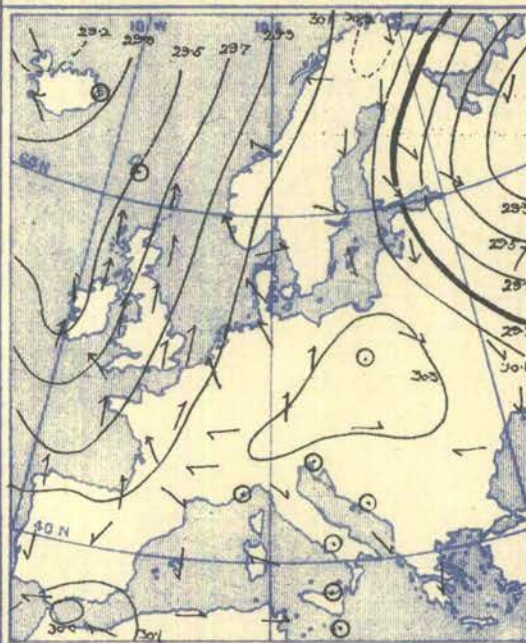
Temperature and Weather.

7 a.m.

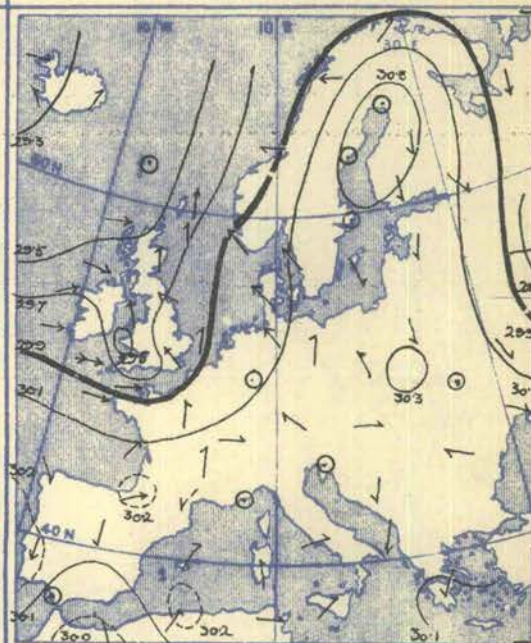


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in Ireland and at Scilly, as well as at Paris and in some parts of northern Russia. Mostly fair to fine and bright elsewhere, but foggy over a large area in central Europe. Rain falling very generally in these Islands later and also over the nearer regions of the Continent; between 0.5 in. and 1.0 in. in Ireland, more than 1.0 in. in some parts of Scotland, and 1.6 in. at Douglas, I. M. Thunderstorms occurring in the east of England and at Paris.

Temperature risen over Great Britain, the Netherlands, and Norway. Morning readings ranging from 80° at Algiers, and about 70° at a few other stations in the far south, to about 60° over a considerable part of this country, to 50° or below in central Europe, and to 32° at Vardö. Rising later to 70° or rather higher in the south-east of England, and to above 65° in the south of Scotland, but remaining below 60° in most Irish localities. Maxima above 80° in the extreme south of our area, and 70° or above in various parts of central Europe and the Netherlands.

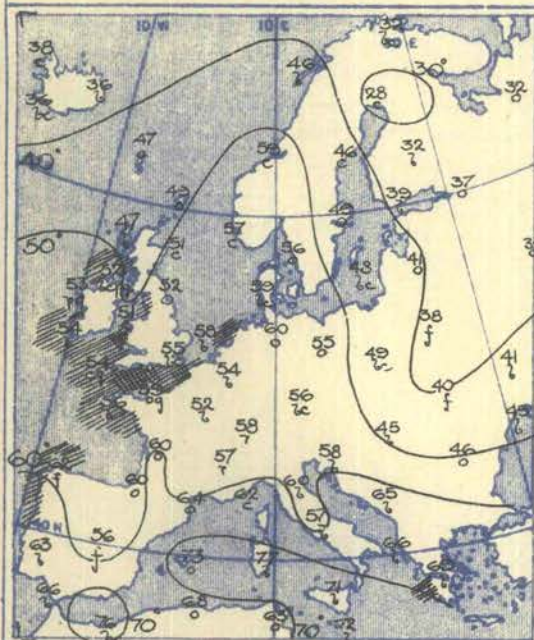
Wind in morning Southerly over these Islands and the North Sea, and strong in force on our western coasts. Light to moderate from North-West over Sweden and Russia, and light and variable over the central and southern countries. Increasing to a gale later in several parts of England and Wales—from the Southward, veering towards West in most places—and blowing very strongly from the Westward and North-Westward in Ireland and on the coast of Wales.

Barometer in morning above 30.3 ins. in an anticyclone over central Europe and nearly as high in the north of Scandinavia; below 29.3 ins. in a large depression with slight gradient over the Icelandic region, and relatively low in a well-marked "V-shaped" depression off the west of Ireland. Another large depression with the readings below 29.3 ins. over the north of Russia. Western disturbance moving eastward to England later and gradient increasing over the greater portion of this country. Pressure rising slowly in Iceland and very briskly in Ireland. Scandinavian high pressure moving southward and increasing in intensity.

Monday, 3rd October, 1910.

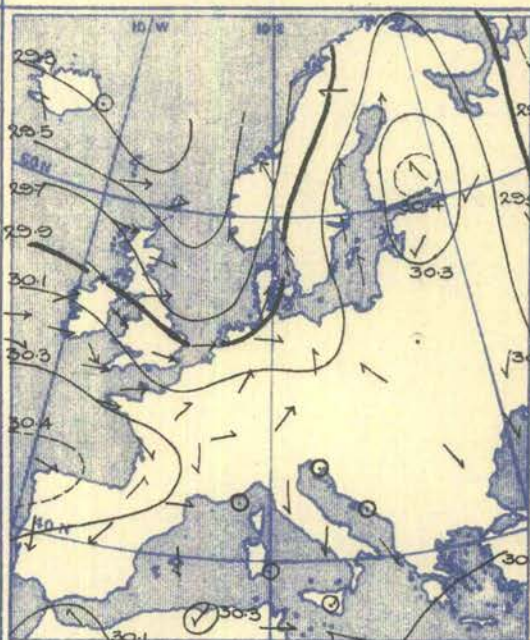
Temperature and Weather.

7 a.m.



Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very variable over these Islands and their vicinity—showery in places, and squally generally. Rainy at Barcelona, Toulouse, and in the east of France, but fair to fine over the Continent as a whole. Small quantities of rain later in the north and west of these Islands, and also in various parts of France, the Netherlands, and Germany, and larger amounts in Switzerland and Scandinavia.

Temperature fallen over this country and France, risen over Germany and Norway. Morning readings as low as 24° at Uleaborg, and below 35° over a large area in the north and north-east; above 50° at nearly all our own stations and over the nearer regions of the Continent, and between 60° and 70° or rather higher over the Mediterranean region. Maxima during day about 80° at a few places in the extreme south of our area, and above 70° over nearly the whole of the Mediterranean region; about 65° in most parts of central Europe, and 60° over a large portion of this country.

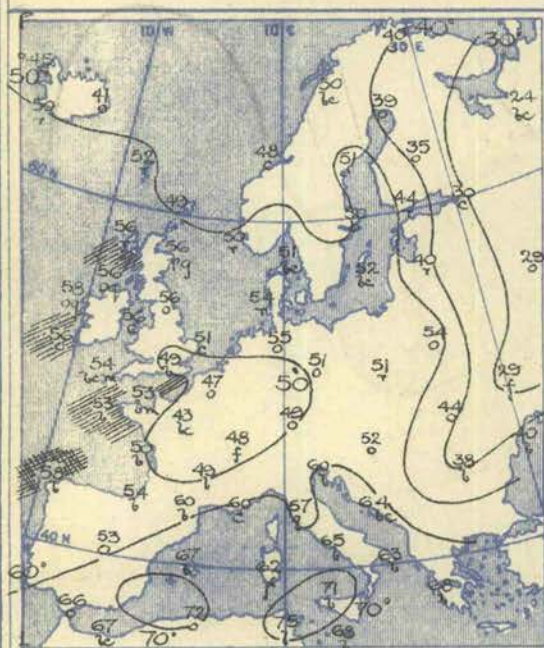
Wind in morning Westerly to North-Westerly over the United Kingdom; fresh to strong generally—a gale at some western and southern stations. Southerly over Denmark and Scandinavia; strong to a gale in many places. Light breezes from various quarters prevailing over the southern half of our area. Gale continuing in Scandinavia throughout the day, but subsiding in the United Kingdom. Little change elsewhere.

Barometer in morning above 30.4 ins. in an anticyclonic system centred over Finland, and also in another between the Azores and Spain. Below 29.3 ins. in a large depression far to the northward of Scotland, and relatively low in a secondary of a "V-shaped" character over the North Sea. Low pressure systems moving north-eastward later in day, and barometer rising briskly in these Islands and also in Iceland. Gradient increasing beyond the North Sea, decreasing over the United Kingdom.

Tuesday, 4th October, 1910.

Temperature and Weather.

7 a.m.

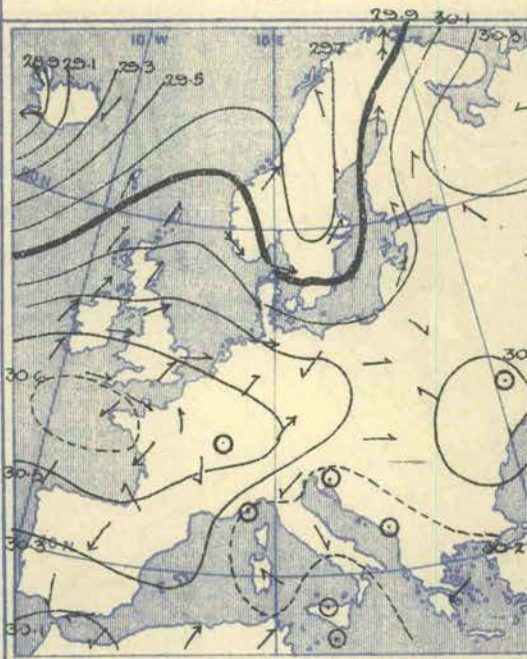


Weather in morning mostly cloudy or overcast in the northern half of our area, with rain in Iceland, some parts of Scotland, and at several stations beyond the North Sea; rainy at Pesaro and in various parts of Germany, but fair to fine over the more southern parts of Europe generally. Rather heavy rain later in several districts of central Europe, smaller amounts in Russia and Scandinavia, and a little at many places in the north of England and over Scotland.

Temperature risen in the United Kingdom and over a large area in the north of Europe, fallen in France, Germany, and Norway. Morning readings 70° or rather above at some places in the far south, but below 50° over the greater portion of the European mainland, and below 30° over a large area in Russia. Maxima during day above 65° in some localities in Great Britain, but below it over the central countries and the Netherlands, and also in several parts of France. Above 70° very generally in the south of our area, and as high as 88° at Tunis.

Barometer and Wind.

7 a.m.



Thursday, 6th October, 1910.

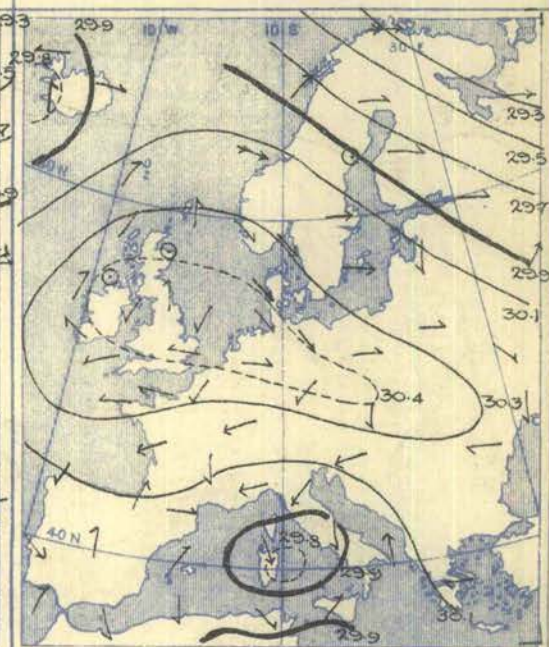
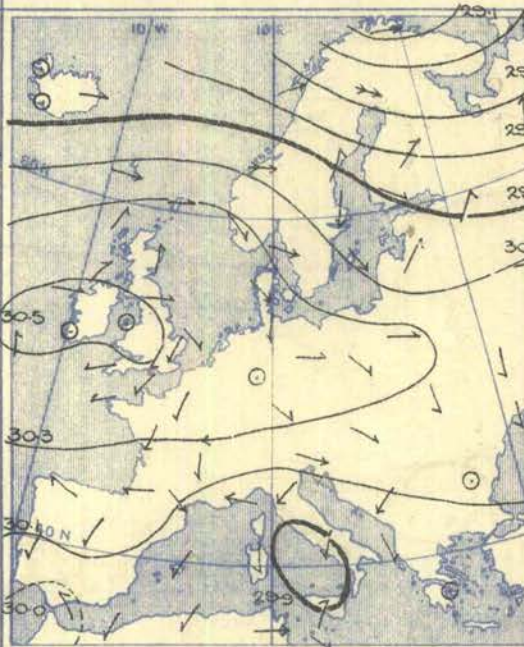
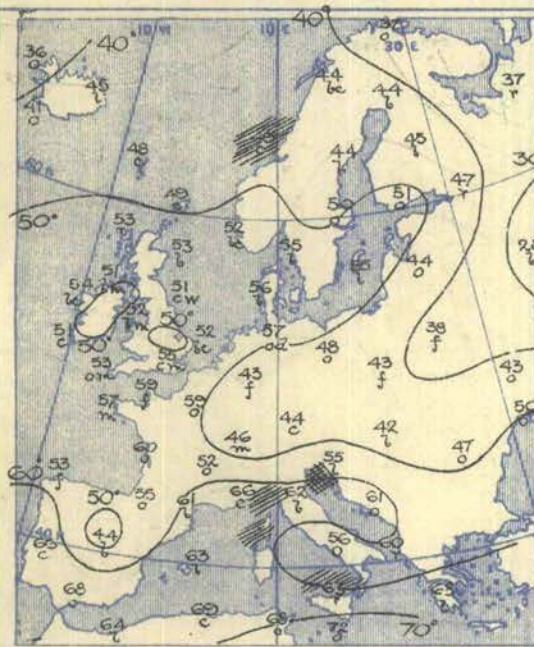
Temperature and Weather

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning rainy at some places in the Netherlands and Germany, and also in the extreme north of Scotland, at Archangel, and St. Petersburg. Generally fair to fine elsewhere, but rain falling at Brindisi. Large quantities of rain experienced later over a considerable portion of Italy and the extreme south of France; as much as 1.2 in. at Marseilles and Rome, and 1.9 in. at Naples. Smaller amounts in Norway and at Archangel.

Temperature risen in Russia, fallen in central Europe and Italy. Morning readings ranging from 72° at Malta, and above 65° at many other southern stations, to below 50° over the major portion of the Continent and in central England, to below 40° in the far north, and to 25° at Moscow. Maxima during day above 70° at several stations in the south of our area, and as high as 86° at Stax; below 60° over a large district in central Europe and at a few places in the north and west of these Islands, but above 65° in various parts of Great Britain, and 72° at Aberdeen.

Wind in morning anticyclonic and light in force over these Islands and their neighbourhood; Westerly, moderate to strong to a gale, over Scandinavia. A cyclonic circulation, fresh to strong in places, prevailing over Italy and the surrounding regions. Very little change occurring later in day.

Barometer in morning above 30.5 ins. in a very large anticyclone having its maximum over Ireland and extending eastward across central Europe to Russia; below 29.1 ins. over the Arctic regions of Europe, and below 29.9 ins. in a depression over Italy and its vicinity. High pressure system giving way later, more briskly on its western borders than elsewhere, but very little modification taking place in the general distribution of pressure. A fresh fall of the barometer setting in in Iceland.

Friday, 7th October, 1910.

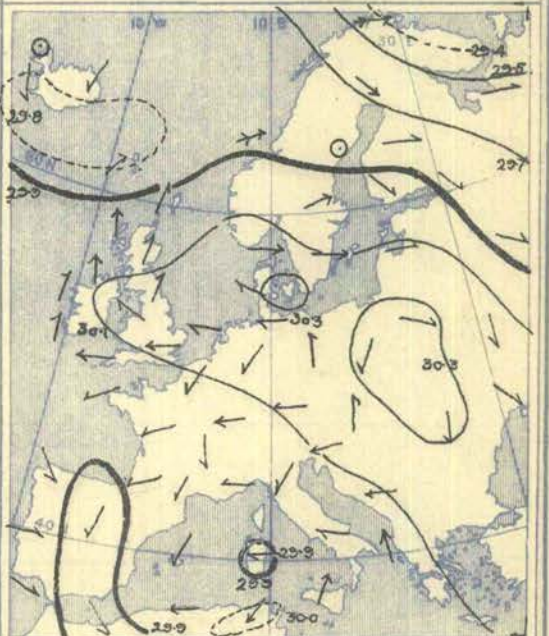
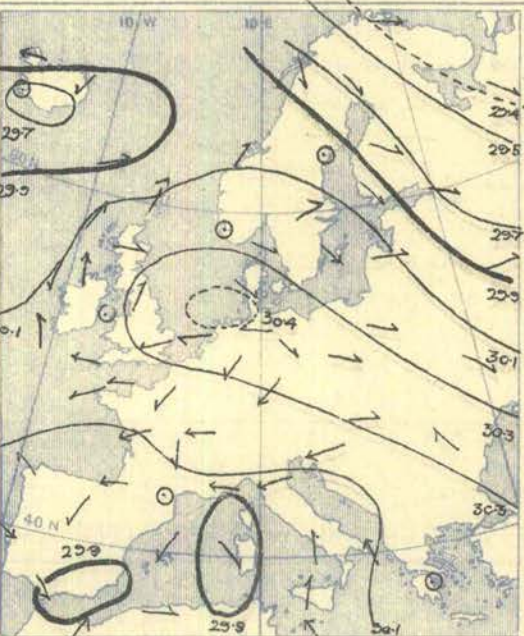
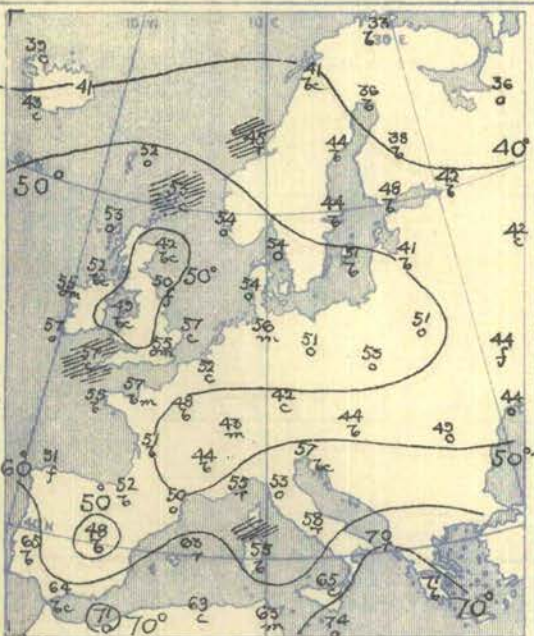
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine over the major portion of our area, but misty or foggy in several parts of these Islands, and also at Corunna. Rainy on some shores of the Mediterranean and Adriatic, as well as at Christiansund and Seydisfjord. As much as 1.7 in. of rain later at Christiansund, and rather heavy amounts in Italy and the south of France—1.1 in. at Marseilles. Small quantities in the extreme north and west of these Islands.

Temperature fallen in the north of our area, and also in France and at most places in the Mediterranean region. Morning readings ranging from below 40° in the extreme north, and below 50° in the north of these Islands, and over a very extensive area on the Continent, to above 70° at a few stations in the far south. Maxima during day about 65° at many stations in Great Britain and the north of France, but below 60° at some places in the east of France and at Cape Sicé, as well as in central Europe and at Turin. Thermometer rising to above 70° over most of the Mediterranean region, and touching 81° at Tunis.

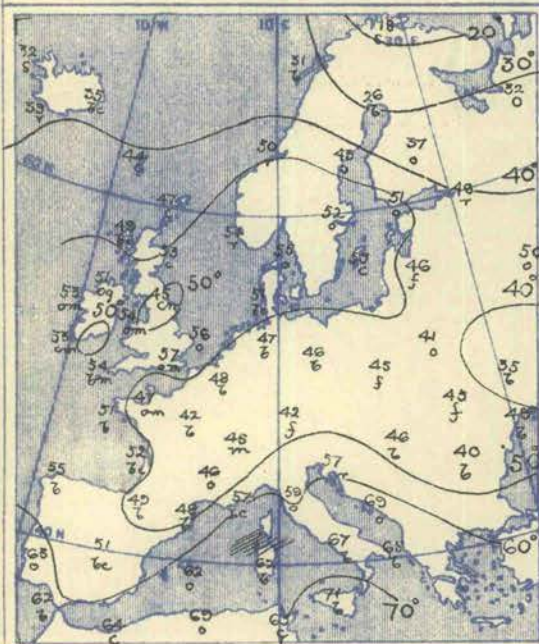
Wind in morning showing a cyclonic circulation of light to fresh or strong breezes over the Mediterranean and Italy, and a light to moderate Westerly current over northern Europe. A light to moderate Easterly breeze prevailing in the south of England and north of France, and a light Southerly breeze in the west and north of the United Kingdom. Increasing to a fresh breeze from South later at Stornoway, to a high wind from South-West at Thorshavn, and to a gale from West-South-West at Christiansund, and also at Vardö.

Barometer in morning above 30.4 ins. over the south-eastern portion of the North Sea, and relatively high in an anticyclonic system stretching from this country to the Black Sea. Below 29.9 ins. in two minima over the western Mediterranean, below 29.7 ins. in another to the south of Iceland, and below 29.4 ins. in the far north of Russia. High pressure system moving eastward during day and decreasing somewhat in intensity. Pressure falling steadily over the United Kingdom and western and north-western Europe generally.

Saturday, 8th October, 1910.

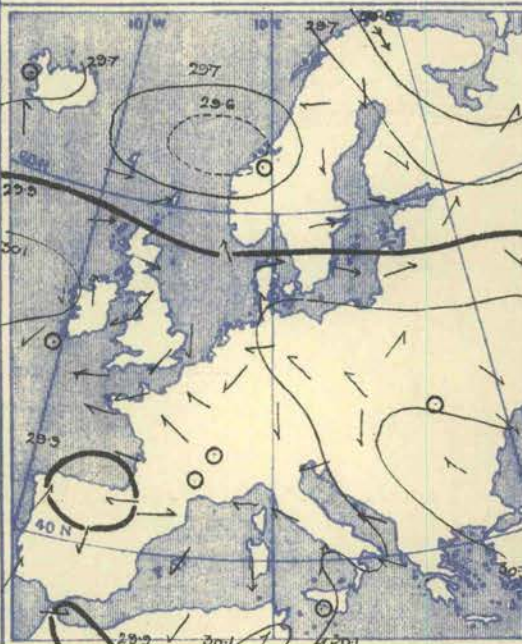
Temperature and Weather.

7 a.m.

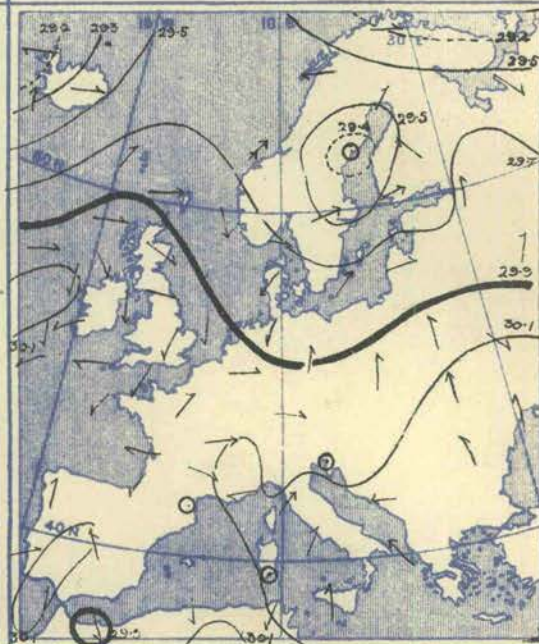


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or overcast over the major portion of our area, with mist or fog locally, rain in the north of Italy and the west of Norway, and rain or snow in the west of Iceland. Fair to fine and bright at many stations in the south and south-east of Europe. Heavy rain later in some parts of Italy and the south of France, as much as 1.4 in. at Cape Béarn—and thunderstorms occurring at Rochefort and Perpignan. Slight rain falling over the greater part of this country.

Temperature risen in Scotland and the south of Scandinavia, fallen or changed irregularly elsewhere. Morning readings ranging from 74° at Malta, and above 65° at many stations within the Mediterranean region to below 50° over the greater part of the Continent and at some of our own stations, to 28° at Haparanda, and to 18° at Vardö. Maxima during day about 66° at a few places in the south of England, but much lower in the north and north-east. Thermometer rising to 93° at Palermo, to 97° at Tunis, and to about 80° in several other southern localities.

Wind in morning anticyclonic in the south-east of our area, and mainly cyclonic in the south, and also in the north and north-west. A gale from North-West blowing at Vardö and a high wind from the Westward in Shetland, but little force reported over our area as a whole. A gale springing up at Christiansund by evening, but wind decreasing in force both at Vardö and Sumburgh Head.

Barometer in morning above 30.3 ins. in the south-east of Europe and relatively high in a band extending thence across these Islands to the Atlantic. Below 29.9 ins. in a depression over northern Spain and the adjacent part of the Bay of Biscay, below 29.6 ins. in another minimum off the west of Norway, and below 29.5 ins. in a large system over the White Sea and its vicinity. A very brisk fall of the barometer occurring during day in Iceland, but pressure undergoing little change over these Islands, and the general situation over the Continent remaining practically unchanged.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Oct. 3rd. 9.45 a.m. to 10.35 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	286° 75% 280°, 12	285° 75% 280°, 16	283° 85% 285°, 17	279.5° 90% 310°, 18				278° 95% 305°, 19	A few clouds, not reached.
2	Oct. 4th, 10.50 a.m. to 12.2 p.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	289.5° 90% 280°, 6	288° 90% 290°, 9	285° 95% 300°, 10	286° 90% 315°, 10				286.5° 40% 325°, 10	{ Inversion at 800 m. A few clouds about 700 m.
3	Oct. 6th, 10.0 a.m. to 11.0 a.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	290° 70% 55°, 7	?° ?% ?	284.5° 80% 60°, 5.4						{ Clear Sky with very little Fr.-Cu. Falling wind.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3
No. of Kites..	1	2	1
Area of Surface (sq. metres) ..	4	13	7
Length of Wire (metres) ..	1,300	1,800	760

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 41. FORTY-FIRST WEEK, SUNDAY, OCTOBER 9TH, TO SATURDAY, OCTOBER 15TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—The conditions were generally much finer in Scotland and the northern parts of England and Ireland than in the more southern districts where heavy rain occurred in the middle and latter portions of the week. Thunder was heard at Hillington and Cullopton on Tuesday, and lightning was seen at Armagh on Saturday.

Temperature was above the normal generally in England and Ireland, the excess amounting to between 2° and 4° over the eastern and central parts of England. In Ireland and at most stations in the west and north-west of Great Britain the excess was slight, while in Scotland N. and E. the mean temperature was below the average. The highest of the maxima were recorded early in the week, and ranged from 70° in the English Channel and 69° in England E. to 60° in Ireland N. and Scotland N. The lowest of the minima, which were generally registered during the latter half of the week, were as low as 29° in Scotland N. and E., and 32° in Scotland W. but elsewhere they ranged from 35° in the Midland Counties, England N.W., and Ireland N. to 41° or 42° in England E., S.E., and S.W., and also in the English Channel. The lowest grass readings recorded were 25° at Crathes, 26° at Balmoral and Sheffield, 28° at Cockle Park (Morpeth), and 29° at West Linton, Newton Rigg and Armagh.

Mean Temperature of the Sea. On most parts of the coast the water was rather warmer than during the corresponding week of last year. The means for the week ranged from 58° and 59° at Margate, Eastbourne and Newquay to 51° at Burnmouth, Lerwick and Kirkwall.

Rainfall exceeded the average in the Midland Counties, England S.E., S.W. and the English Channel, but was less elsewhere. On the 11th and 12th falls exceeding an inch were registered at many places in the south and south-west of England, the largest amounts reported being:—(1) On the former day 1·5 in. at Arlington, 1·4 in. at Cambridge, and 1·3 in. at Falmouth and Portsmouth; (2) on the 12th, 1·9 in. at Arlington, 1·7 in. at Ventnor, 1·6 in. at Oxford and Shaftesbury, 1·5 in. at Bournemouth, and 1·4 at Falmouth. At Guernsey a fall of 1·7 in. was registered on the 13th.

Bright Sunshine was in excess of the normal in Scotland, England N.W., and Ireland N., less in all other parts of the Kingdom. The percentage of the possible duration ranged from 42 in Scotland N. and 39 in Scotland W. and Ireland N. to 18 in England S.W. and the Midland Counties, and to 10 in England S.E., where the mean duration was only 8 hours. So low a value for the S.E. district for the corresponding week has not hitherto been recorded the previous lowest total being 9 hours in October, 1882.

Barometer and Wind.—At the beginning of the week an anticyclone of little intensity extended over these islands from the southward, but during Monday this passed off to the eastward, while a "V-shaped" disturbance, secondary to a depression moving eastward over the Icelandic region, came from the westward over the United Kingdom, the Bay of Biscay, and France. After undergoing much modification in form this secondary developed into a separate (elongated) system over the south-east of England and its vicinity. It subsequently moved westward to the mouth of the Channel, and after forming a junction with a shallow depression over the Bay of Biscay, it finally travelled slowly in a north-westerly direction. At the time this depression was causing the disturbed weather in the south and east of England an anticyclonic system of increasing intensity arrived over Scotland from the westward, the rapid rise of the barometer in that country and its immediate neighbourhood causing the gradient to become steep over our western, southern and eastern coasts. Gales or high winds from North-East and East were experienced very generally over England and the adjacent seas and channels on Thursday and Friday, but by the end of the period the wind had decreased to a moderate breeze from between North-East and South-East.

THE WEEK.

DISTRICTS OF THE BRITISH ISLES.												
For explanation of the terms "Unusual," &c., see p. 324.	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Very light	Very light	Moderate	Heavy	Heavy	Light	Light	Very heavy	Light	Light	Very heavy
	Sunshine ...	Very abundant	Abundant	Moderate	Very scanty	Scanty	Abundant	Abundant	Scanty	Abundant	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 6 weeks from Sept. 4th, 1910.	Warmth ...	2 * 0	2 * 1	3 * 3	3 * 2	3 * 2	3 * 3	2 * 0	2 * 3	2 * 2	2 * 1	2 * 2	2 * 2
		0 * 5	0 * 6	0 * 5	1 * 4	1 * 3	1 * 4	0 * 4	0 * 6	1 * 5	0 * 5	0 * 4	1 * 4
	Sunshine ...	3 * 1	3 * 1	2 * 2	0 * 3	0 * 3	2 * 3	3 * 1	3 * 0	3 * 2	2 * 2	0 * 2	1 * 2

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	5 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
		4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

330 II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881–1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881–1905.

FORTY-FIRST WEEK—October 9th to October 15th, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.										Rainfall.				Sunshine.			
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
0. SCOTLAND, NORTH		60	29	52.5	38.6	45.4	- 1.3	Day-deg. 38	Day-deg. - 2	Day-deg 10	Day-deg. + 4	3	- 2	Inches. 0.20	Inches. - 1.05	31	+ 14	% 42	% +18
Eastern																			
1. SCOTLAND, EAST		62	29	54.2	39.2	46.5	- 0.4	43	0	8	+ 1	2	- 2	0.14	- 0.60	26	+ 5	34	+ 7
2. ENGLAND, N.E.		63	36	56.6	46.1	51.2	+ 2.4	64	+ 14	0	- 3	2	- 2	0.65	- 0.01	21	- 3	27	- 4
3. ENGLAND, EAST		69	42	58.6	49.2	53.7	+ 3.9	82	+ 23	0	- 4	3	- 1	0.62	- 0.01	14	- 11	19	- 15
4. MIDLAND COUNTIES		67	35	56.1	45.9	50.8	+ 2.2	62	+ 9	0	- 5	4	0	0.91	+ 0.24	14	- 9	18	- 11
5. ENGLAND, S.E.		66	41	58.6	49.2	53.8	+ 2.7	83	+ 16	0	- 3	5	+ 1	1.70	+ 0.98	8	- 18	10	- 23
Western																			
6. SCOTLAND, WEST		62	32	54.7	42.6	48.4	+ 0.1	45	- 4	0	- 4	2	- 2	0.18	- 0.93	29	+ 9	39	+ 12
7. ENGLAND, N.W.		61	35	55.8	45.4	50.4	+ 0.8	59	+ 4	0	- 1	3	- 2	0.34	- 0.59	23	+ 2	30	+ 3
8. ENGLAND, S.W.		65	42	56.2	47.8	51.9	+ 1.0	69	+ 5	0	- 2	6	+ 2	2.47	+ 1.44	14	- 11	18	- 14
9. IRELAND, NORTH		60	35	54.6	43.5	48.9	+ 0.2	48	- 2	0	- 2	3	- 2	0.31	- 0.57	30	+ 9	39	+ 12
10. IRELAND, SOUTH		61	36	55.6	45.5	50.4	+ 0.3	59	0	0	- 2	4	0	0.42	- 0.45	18	- 7	24	- 9
11. ENGLISH CHANNEL		70	42	60.3	49.0	54.5	+ 0.2	85	+ 2	0	0	6	+ 1	3.27	+ 2.39	27	- 3	35	- 3
THE SEASON (Autumn).—Aggregates, &c., for the Period of 6 Weeks, September 4th to October 15th, 1910.																			
0. SCOTLAND, NORTH		68	29	*	*	*	*	392	+ 31	10	- 2	23	- 6	2.37	- 4.47	147	+ 16	29	+ 3
Eastern																			
1. SCOTLAND, EAST		72	29	*	*	*	*	408	+ 20	8	- 7	11	- 13	1.03	- 2.64	174	+ 20	34	+ 4
2. ENGLAND, N.E.		74	34	*	*	*	*	492	+ 35	0	- 5	12	- 9	1.59	- 1.41	167	- 7	33	- 1
3. ENGLAND, EAST		75	36	*	*	*	*	560	+ 40	0	- 7	14	- 6	1.97	- 1.06	159	- 33	31	- 7
4. MIDLAND COUNTIES		76	33	*	*	*	*	485	+ 10	0	- 10	12	- 8	1.75	- 1.43	138	- 32	27	- 6
5. ENGLAND, S.E.		74	32	*	*	*	*	571	+ 1	0	- 4	12	- 8	2.28	- 1.24	185	- 11	37	- 2
Western																			
6. SCOTLAND, WEST		69	32	*	*	*	*	450	+ 26	0	- 7	15	- 9	2.40	- 3.70	182	+ 23	36	+ 5
7. ENGLAND, N.W.		73	34	*	*	*	*	484	+ 3	0	- 2	12	- 11	1.14	- 3.47	183	+ 21	36	+ 4
8. ENGLAND, S.W.		71	27	*	*	*	*	531	- 2	0	- 2	13	- 10	3.23	- 1.66	195	+ 10	39	+ 2
9. IRELAND, NORTH		69	34	*	*	*	*	458	+ 14	0	- 3	14	- 13	1.76	- 2.99	166	+ 9	31	+ 2
10. IRELAND, SOUTH		70	35	*	*	*	*	495	0	0	- 3	17	- 6	2.19	- 2.12	150	- 26	30	- 5
11. ENGLISH CHANNEL		74	42	*	*	*	*	655	- 3	0	0	14	- 10	3.91	- 0.21	232	+ 2	46	0
THE YEAR.—Aggregates, &c., for the Period of 41 Weeks, January 2nd to October 15th, 1910.																			
0. SCOTLAND, NORTH		82	2	*	*	*	*	1998	+ 83	605	+ 36	186	- 3	37.27	- 0.98	1081	+ 66	28	+ 2
Eastern																			
1. SCOTLAND, EAST		80	-10	*	*	*	*	2090	- 68	644	+ 9	155	- 2	23.75	+ 0.51	1202	- 4	32	0
2. ENGLAND, N.E.		81	6	*	*	*	*	2520	+ 113	454	- 26	146	+ 5	18.55	- 0.11	1226	- 88	32	- 2
3. ENGLAND, EAST		83	17	*	*	*	*	2861	+ 81	393	- 135	149	+ 13	19.09	+ 1.15	1337	- 83	36	- 2
4. MIDLAND COUNTIES		83	10	*	*	*	*	2720	+ 9	474	- 69	147	+ 12	20.57	+ 0.63	1211	- 58	32	- 2
5. ENGLAND, S.E.		81	13	*	*	*	*	2932	- 57	294	- 91	146	+ 16	21.46	+ 1.83	1376	- 63	37	- 2
Western																			
6. SCOTLAND, WEST		81	0	*	*	*	*	2412	+ 85	432	0	167	+ 3	35.58	+ 0.63	1259	+ 18	33	+ 1
7. ENGLAND, N.W.		81	7	*	*	*	*	2566	+ 18	338	- 59	166	+ 15	27.73	+ 1.91	1325	+ 66	35	+ 2
8. ENGLAND, S.W.		81	8	*	*	*	*	2755	- 70	242	- 61	158	+ 10	30.45	+ 2.91	1393	- 10	37	0
9. IRELAND, NORTH		79	7	*	*	*	*	2436	+ 5	351	+ 3	182	+ 3	31.05	+ 2.44	1151	+ 13	31	0
10. IRELAND, SOUTH		79	18	*	*	*	*	2766	- 15	258	- 4	188	+ 30	32.59	+ 3.10	1219	- 64	33	- 2
11. ENGLISH CHANNEL		79	28	*	*	*	*	3180	- 64	54	- 55	156	- 1	26.38	+ 3.58	1581	- 126	43	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked a, and at the hour of evening observation (9 p.m.) at Stations marked p. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
Information for Stations marked a is supplied by the Royal Meteorological Society, and that for Stations marked p is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					NAMES OF STATIONS.
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°	Below 42°	
									Day	Day	Ins.	Ins.	Hrs.	Hrs.	%	%				
0. SCOTLAND, N.	a, Islands.	p Baltasound	53	10th	36	15th	51.2	41.2	46.1	—	32	2	4	0.12	—	18.5	—	25	Baltasound.	
		a Sumburgh Head	53	9, 10, 15th	31	14th	51.3	40.3	45.6	— 1.0	32	5	4	0.17	— 0.76	26.5	+ 6.6	36	Deerness.	
		a Stornoway	56	9th, 10th	34	15th	53.0	40.3	46.5	— 0.6	39	5	4	0.21	— 1.04	33.9	+13.3	46	Stornoway.	
		a Castlebay, Barra Isd.	56	15th	43	15th	55.1	45.9	49.4	+ 0.6	52	0	3	0.24	—	41.5	—	55	Castlebay.	
		a Wick	58	9th	29	14th	53.4	36.6	44.8	— 2.8	42	15	1	0.02	— 0.67	—	—	—	Strathpeffer.	
		p Strathpeffer	57	9th	31	15th	51.6	37.4	44.3	— 2.5	35	13	2	0.09	— 0.55	32.9	+11.3	44	Strathpeffer.	
		p Glencarron	55	15th	30	15th	51.7	38.6	45.0	— 0.9	35	10	3	0.50	— 1.60	—	—	—	Fort Augustus.	
		p Fort Augustus	54	9th, 11th	30	15th	52.1	37.5	44.6	— 3.0	37	13	2	0.11	— 0.84	31.1	+16.1	42	Fort Augustus.	
	p Fort William	60	14th, 15th	33	12th	54.2	39.8	46.8	— 2.0	43	6	4	0.33	— 1.43	—	—	—	Gordon Castle.		
1. SCOTLAND, E.		p Gordon Castle	61	9th	31	14th	55.2	37.0	45.8	— 2.6	48	14	2	0.11	— 0.64	24.5	—	33	Gordon Castle.	
		a Nairn	59	9th	30	14th, 15th	54.6	36.3	45.2	— 2.3	46	16	2	0.03	— 0.50	31.2	—	42	Nairn.	
		a Aberdeen	59	9th	36	9th	54.3	40.0	46.9	— 1.4	43	6	2	0.14	— 0.51	25.1	+ 1.5	34	Aberdeen.	
		a Balmoral	59	10th	29	15th	55.3	34.0	44.3	— 0.2	50	22	2	0.15	— 0.66	23.0	—	31	Crathes S.	
		p Crieff	62	9th	35	13th	54.6	39.8	47.0	— 1.2	44	6	2	0.18	— 0.66	29.6	—	40	Balruddery.	
		p Leith	59	11th	39	15th	55.3	44.0	49.5	— 0.3	53	0	2	0.09	— 0.38	—	—	—	Edinburgh.	
		a West Linton	55	11th	34	9th	51.4	40.0	45.5	— 1.1	33	6	3	0.24	—	20.1	—	26	West Linton.	
		p Marchmont	60	11th	36	9th	53.1	42.3	47.5	+ 0.1	39	0	2	0.17	— 0.62	20.0	— 1.5	27	Marchmont.	
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	61	9th, 11th	36	9th	55.3	43.8	49.4	+ 1.8	52	0	2	0.46	— 0.34	20.3	—	27	Cockle Park.	
		a Shields	58	11th	39	9th	54.7	43.6	49.0	— 0.2	49	0	2	0.47	— 0.19	15.1	— 4.4	17	Newcastle.	
		p Durham	61	9th	41	9th	54.3	44.4	49.2	+ 0.6	50	0	2	0.40	— 0.28	19.0	— 2.8	25	Durham.	
		p Rounton	60	11th	43	10, 14, 15th	55.6	44.9	50.1	+ 2.0	57	0	2	0.56	— 0.08	—	—	—	Scarborough.	
		p Scarborough	63	15th	46	10th	61.0	48.9	54.8	+ 4.7	90	0	1	0.69	— 0.01	22.8	—	30	Scarborough.	
		p York	63	11th	45	10th, 15th	58.1	46.6	52.2	+ 2.4	71	0	1	0.38	— 0.20	26.6	+ 5.5	35	York.	
		a Spurn Head	62	11th	47	10th, 14th	56.4	49.6	52.9	+ 1.8	76	0	2	0.90	+ 0.40	14.6	—	19	Skegness.	
		a Lincoln	62	11th	43	15th	56.9	47.4	52.0	+ 2.4	70	0	3	0.79	+ 0.23	20.2	—	27	Raebury.	
	a Fulbeck	63	11th	38	15th	57.1	45.3	51.0	+ 1.6	63	0	3	1.16	+ 0.62	19.5	—	26	Lowestoft.		
3. ENGLAND, E.	a, North.	p Cromer	65	9th	46	11th	57.9	49.0	53.3	+ 2.5	79	0	3	0.30	—	21.2	—	28	Cromer.	
		p Hillington	61	11th	44	9th, 15th	56.9	46.3	51.4	+ 1.3	66	0	2	0.65	— 0.08	20.5	— 3.9	27	Hillington.	
		a Yarmouth	64	11th	49	12, 14, 15th	58.7	51.0	54.7	+ 3.5	89	0	2	0.19	— 0.46	20.3	—	27	Yarmouth.	
		a Norwich	64	11th	46	11th, 15th	58.3	49.3	53.7	+ 2.4	82	0	4	0.51	—	—	—	—	Gedeston.	
		p Gedeston	69	11th	46	10th	60.5	48.5	54.3	+ 3.7	86	0	1	0.19	— 0.44	21.0	— 6.5	28	Gedeston.	
		p Cambridge	65	10th	42	15th	58.1	47.7	52.8	+ 2.5	76	0	3	1.62	+ 1.11	12.9	— 13.6	17	Cambridge.	
		a Felixstowe	63	10th	50	15th	58.1	53.6	55.8	+ 4.0	97	0	1	0.23	—	14.0	—	18	Felixstowe.	
		a Clacton-on-Sea	64	10th, 11th	50	15th	59.6	52.3	55.8	+ 4.0	97	0	2	0.24	—	5.7	—	8	Clacton.	
	a Clacton-on-Sea	64	10th, 11th	45	15th	57.3	48.3	52.7	+ 3.3	75	0	5	1.32	+ 0.66	6.1	— 20.2	8	Rothamsted.		
	a Rothamsted	66	10th, 11th	45	15th	57.3	48.3	52.7	+ 3.3	75	0	5	0.25	— 0.22	5.9	—	8	Southend.		
	a Shoeburyness	66	11th	47	15th	59.9	50.4	55.0	+ 2.4	91	0	5	0.25	— 0.22	5.9	—	8	Southend.		
	p Tottenham	65	10th, 11th	44	15th	60.0	50.2	55.0	+ 4.6	91	0	4	0.59	—	4.7	—	6	Tottenham.		
4. MIDLAND COUNTIES.	a, East.	a Harrogate	59	10th, 11th	40	15th	55.6	44.9	49.6	+ 1.3	53	0	2	0.43	— 0.28	27.4	—	36	Harrogate.	
		a Bawtry	63	11th	35	15th	59.3	48.7	51.3	+ 2.3	65	0	2	0.74	+ 0.20	23.1	+ 2.6	30	Workop.	
		p Buxton	58	10th	36	10th	53.1	43.8	47.8	+ 1.2	41	0	3	0.58	— 0.49	22.4	—	30	Buxton.	
		a Nottingham	62	11th	42	10th	56.1	45.9	50.9	+ 1.1	62	0	3	0.41	— 0.13	18.8	—	25	Nottingham.	
		p Birmingham, Edgbn	62	10th	42	15th	54.9	46.6	50.6	+ 1.4	60	0	3	0.97	+ 0.39	9.5	—	13	Birmingham.	
		a Raunds	67	10th	41	15th	57.6	46.2	51.7	+ 1.9	68	0	3	0.79	—	—	—	—	Oxford.	
		a Oxford	65	10th	42	15th	57.1	48.6	52.7	+ 2.4	75	0	5	2.11	+ 1.52	4.3	— 20.9	6	Sheffield.	
		a Cheadle	59	10th, 11th	40	15th	54.7	43.5	48.9	+ 0.7	48	0	3	0.86	+ 0.16	23.8	—	31	Cheadle.	
	p Shrewsbury	62	10th	39	10th	56.5	45.5	50.8	+ 0.6	62	0	3	0.62	—	—	—	—	Cirencester.		
	a Hereford	61	10th	41	15th	53.3	46.6	49.9	+ 0.3	55	0	6	0.86	+ 0.29	—	—	—	Bath.		
	a Cirencester	60	10th, 11th	41	15th	54.9	46.3	50.5	+ 1.2	60	0	6	1.19	+ 0.52	1.6	— 23.1	2	Ramsgate.		
	a Bath	64	10th	43	15th	56.7	48.1	52.3	+ 0.8	72	0	5	1.06	+ 0.40	3.4	—	5	Kew.		
5. ENGLAND, S.E.		p Kew	65	11th	45	15th	59.1	49.5	54.2	+ 3.3	85	0	4	0.94	+ 0.36	5.8	— 18.1	8	Marlborough.	
		a Marlborough	63	10th	41	15th	55.3	46.2	50.6	+ 1.8	60	0	6	1.82	+ 1.17	3.0	— 20.0	4	Margate.	
		a Margate	66	11th	46	15th	60.1	51.7	55.8	+ 3.1	97	0	3	0.34	— 0.23	8.7	— 17.9	11	Wisleigh.	
		a Wisley, Surrey	65	11th	43	15th	59.0	48.7	53.7	+ 2.3	82	0	5	1.38	—	6.1	—	9	Worthing.	
		a Swartraton	63	10th	43	15th	56.5	46.5	51.4	+ 1.8	66	0	5	2.23	+ 1.47	7.2	—	9	Worthing.	
		a Tunbridge Wells	64	10th, 11th	43	15th	57.6	48.5	52.9	+ 2.5	76	0	4	1.31	+ 0.55	9.6	— 18.0	13	Tunbridge Wells.	
		p Dungeness	64	10th	44	9th	60.3	50.9	55.5	+ 2.2	95	0	4	1.50	+ 0.85	13.2	—	17	Littlestone.	
		p Hastings	64	11th	45	15th	59.7	50.8	55.1	+ 2.2	92	0	4	1.22	+ 0.40	15.8	— 15.9	18	Hastings.	
	p Southampton	65	10th	45	14th	58.9	49.3	54.0	+ 1.6	84	0	6	2.76	+ 2.02	6.4	— 21.6	8	Southampton.		
	a Ventnor	64	10th	47	13th	59.1	50.2	54.5	+ 0.2	88	0	6	3.52	+ 2.94	5.9	— 24.3	8	Ventnor.		
6.		a Westminster	66	10th, 11th	47	15th	59.6	51.7	55.5	+ 4.9	95	0	3	0.56	— 0.01	7.4	— 10.3	10	Westminster.	
		a Greenwich	6																	

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	48·2	—	Harrogate	0	33	51·7	52·5	6. Dumfries	2	30	52·3	55·3
1. Aberdeen	—	—	—	51·2	Huddersfield	0	35	52·2	53·3	Douglas	0	41	—	—
Crathes	4	25	49·8	52·5	Buxton	0	33	51·4	52·3	Aspatia	0	31	50·6	52·3
Balmoral	3	26	—	—	Sheffield	1	26	52·2	53·4	Newton Rigg	1	29	51·8	52·9
West Linton	1	29	—	—	Nottingham	0	39	51·8	55·0	Burnley	0	35	51·2	52·8
Marchmont	0	34	48·6	—	Birmingham	0	37	51·0	52·3	Southport	0	32	52·4	55·5
Cockle Park	1	28	47·9	51·2	Oxford	0	33	—	—	Manchester City	0	37	52·4	55·4
Durham	0	37	—	—	Hereford	0	34	53·5	54·4	Bettws-y-Coed	0	36	49·4	52·1
York	—	—	53·9	54·9	Cirencester	0	34	56·2	57·5	Llangammarch Wells	0	34	52·3	53·4
Hull	0	40	52·6	53·9	Bath	—	—	55·7	56·2	Cardiff	0	42	53·6	55·4
Lincoln	—	—	53·4	54·3	Margate	0	44	—	—	Clifton	0	36	—	—
Rauceby	0	32	54·4	55·0	Greenwich	0	38	—	—	Plymouth	0	40	55·1	—
Norwich	0	39	—	—	Westminster	0	41	—	—	9. Armagh	1	29	52·6	54·6
Yarmouth	—	—	56·0	57·0	Kew	0	39	55·3	55·9	Markree	0	31	53·4	55·0
Lowestoft	0	44	56·2	56·9	Canterbury	0	40	53·5	55·5	10. Dublin, Trin. Coll. ..	1	30	52·8	54·8
Cambridge	0	36	54·6	56·0	Wisley	0	39	54·9	56·4	Guernsey, Brooklyn ..	0	36	57·1	58·9
Clacton-on-Sea	0	44	56·3	57·0	Worthing	0	40	56·3	57·4					
Southend	0	44	57·9	—	Portsmouth	0	40	55·4	57·4					
Tottenham	0	37	—	—	Glasgow	1	30	—	—					
					Rothersey	—	—	—	52·8					
					Colmonell	0	34	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	51	50	50·7	SCOTLAND, W.	Lamlash	54	53	53·6
	Kirkwall	52	49	50·7		Ballantrae	54	50	53·1
	Wick	53	52	52·3	ENGLAND, N.W.	Port Erin	55	52	54·1
SCOTLAND, E.	Cromarty	55	50	52·5		Newquay	59	58	58·2
	Pennan Bay	54	48	51·7	ENGLAND, S.W.	Scilly	57	53	54·7
ENGLAND, N.E.	Aberdeen, Cove Bay ..	54	53	53·4		Plymouth†	53	52	52·5
	Burnmouth, Berwick ..	52	50	51·1		Salcombe	59	51	55·8
ENGLAND, E.	Scarborough	55	52	53·5	IRELAND, N.W.	Sheephaven	57	52	55·6
	Shipwash Lightship ..	—	—	—		Teelin	57	50	53·9
ENGLAND, S.E.	Margate	59	57	58·6	IRELAND, S.W.	Cleggan	56	50	53·5
	Eastbourne†	59	58	58·7	IRELAND, E.	Seafeld	58	49	54·3

† Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1910.	Station.	Wind Direction (in Degrees, 90° = E, 180° = S, 270° = W, 360° = N) and Velocity, Metres per Second.																			
			Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.	7,000 metres.	8,000 metres.	9,000 metres.	10,000 metres.	11,000 metres.	12,000 metres.	13,000 metres.
1	Sept. 27th, 3.55 p.m.	Pyrton Hill, Oxon. 150 m.	240°, 2·2	265°, 3·5	240°, 5·0	215°, 4·5																
2	Sept. 28th, 4.20 p.m.	Pyrton Hill, Oxon. 150 m.	155°, 8·9	170°, 15·2	170°, 14·2	200°, 15·8																
3	Sept. 29th, 3.57 p.m.	Pyrton Hill, Oxon. 150 m.	265°, 4·7	260°, 8·0	240°, 11·8	250°, 16·0	250°, 14·0															

NOTES.—1. Pilot balloon. One theodolite. Rate of ascent 2·1 m.p.s. assumed. Clear sky. A sudden change of wind occurred from 215°, 4·5 at 1,500 m. to 295°, 2·5 at 1,800 m.
 2. Pilot balloon. One theodolite. 2·1 m.p.s. Some cirrus.
 3. Pilot balloon. One theodolite. 2·2 m.p.s. Becoming overcast.

REGISTERING BALLOON ASCENTS.

MANCHESTER, September 1st, 1910, 6.26 p.m.

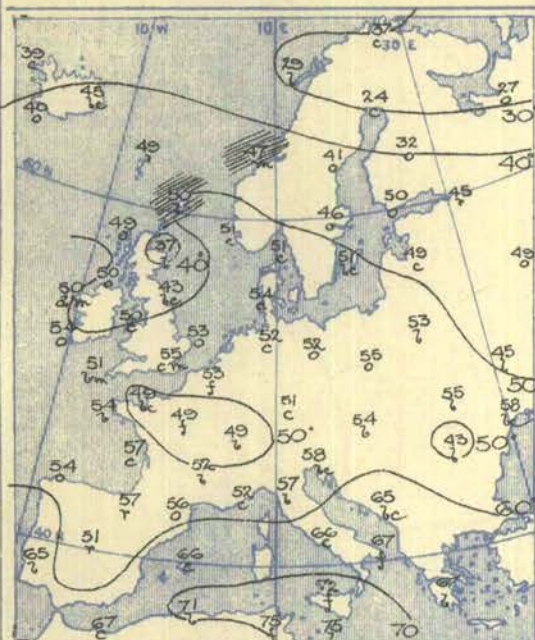
Height. Kilometres.	Pressure. Mgd.	Temperature. A°.	Height. Kilometres.	Pressure. Mgd.	Temperature. A°.	Height. Kilometres.	Pressure. Mgd.	Temperature. A°.
Ground	1·021	288·9	6·0	0·483	256·5 253·5	14·0	0·150	216·5
0·5	—	—	6·5	·451	253·5 250·5	15·0	·130	218·5
1·0	—	—	7·0	·422	250·5 247·5	16·0	·120	217·5
1·5	—	—	7·5	·392	246·5 243·5	17·0	·95	217
2·0	0·814	275	8·0	·365	242·5 241	17·2	·93	216·5
2·5	·755	271	8·5	·343	237·5	19·0	—	—
3·0	·707	267·5	9·0	·320	234	20·0	—	—
3·5	·666	266	9·5	·295	230	21·0	—	—
4·0	·623	265 264	10·0	·277	228	22·0	—	—
4·5	·585	263 260·5	11·0	·240	223·5	23·0	—	—
5·0	·543	261·5 259·5	12·0	·205	217	24·0	—	—
5·5	·515	259 257	13·0	·175	211·5	25·0	—	—

Balloon fell at Hendon, Middlesex, distant 258 km., direction 145°. Mean Temperature Gradient (Ground to 7 km.) 0·58° per 100 metres. Min. temp. 211·5 A°.

Sunday, 9th, October, 1910.

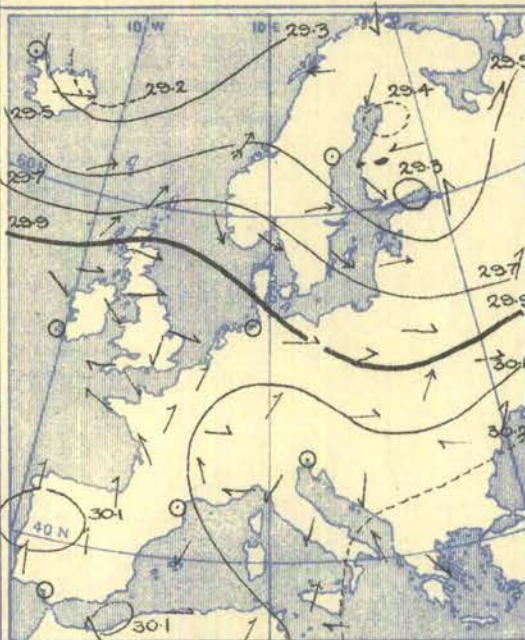
Temperature and Weather.

7 a.m.

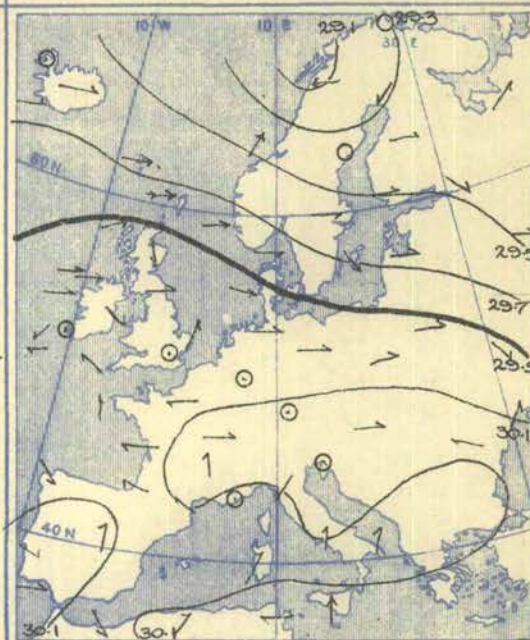


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or overcast at most places in the northern half of our area, with rain or snow over the Icelandic region, and passing showers or steady rain at Castlebay, Blacksod Point, the Helder, Christiansund, and St. Petersburg. Mostly fair to fine in southern Europe, but rain falling at Biarritz and Madrid. Some heavy falls of rain later in the south of France, with thunderstorms in places, and considerable quantities in the north of Italy and also in Norway. More than 1·5 in. measured at Cette, and a similar amount at Christiansund.

Temperature risen in nearly all parts of France, central Europe, and southern Russia, fallen in most other places. Morning readings ranging from 75° at Malta and Tunis, and above 65° at many southern stations, to below 50° over the major portion of the Continent and in various parts of the United Kingdom, and to below 30° in the north of Sweden and Russia. Maxima during day below 60° in most parts of these Islands and in Germany, and only 62° at Turin, but above 70° very generally over the Mediterranean, and above 80° in places. Thermometer rising to 93° at Palermo, and to 95° at Tunis.

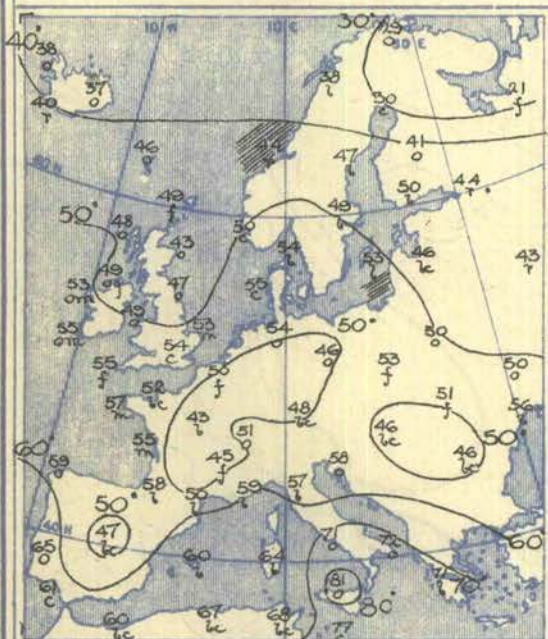
Wind light and variable over Ireland, England, and France, but fresh or strong to a gale from the Westward over the Icelandic region, and showing a light to brisk cyclonic circulation over Finland and its neighbourhood. Light Northerly air prevailing over Italy, but a strong breeze from the Southward at Palermo. Continuing strong from the Westward at many places in the north of our area, and increasing to a gale in Shetland. Southerly current remaining strong at Palermo.

Barometer in morning above 30·2 ins. over a large area in the south-east of Europe; below 29·3 ins. in a depression over the Gulf of Finland, and below 29·2 ins. in another disturbance centred off the north-east of Iceland. Pressure very uniform throughout these Islands, France, and southern Europe. Finnish depression travelling away eastward later, and that off Iceland moving in an easterly direction to the far north of Norway. Pressure undergoing very little change over these Islands and their neighbourhood.

Monday, 10th October, 1910.

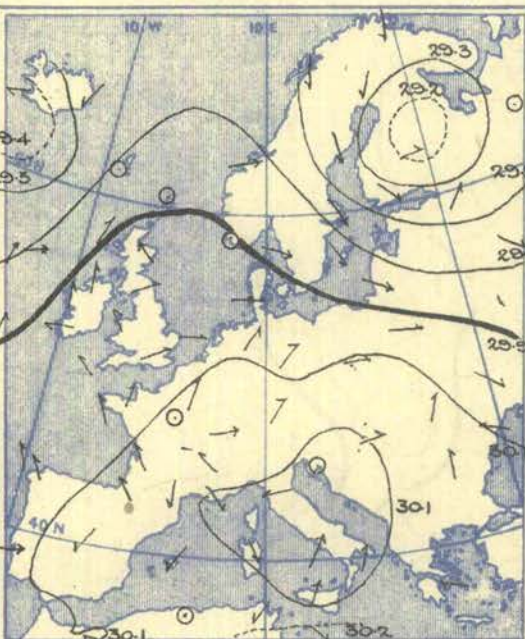
Temperature and Weather.

7 a.m.

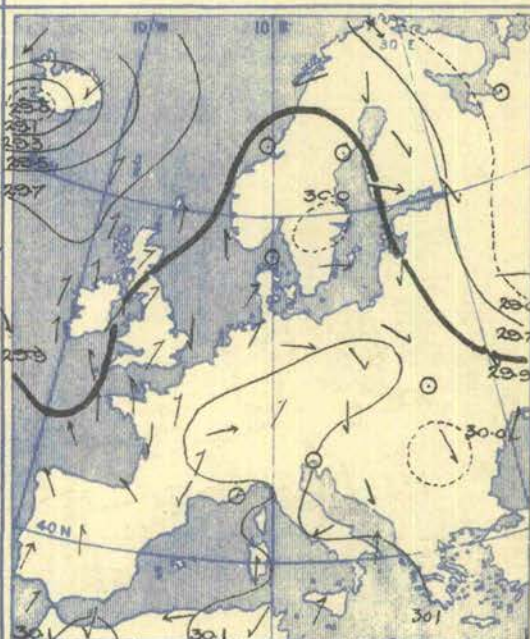


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright in a few localities both in the south and north, but very cloudy or quite overcast generally, and rainy at some stations in northern Russia and Norway. Showers falling at Castlebay. Rain later, mostly slight, over the greater part of the United Kingdom and in a few isolated places on the Continent. Thunder heard at Paris.

Temperature fallen or changed irregularly. Morning readings ranging from 81° at Palermo, and above 70° at a few other southern stations, to below 50° over a very large area, to below 32° in the extreme north, and to as low as 21° at Archangel. Rising to slightly above 90° during day at Malta and Palermo, to about 80° at many other southern stations, and to above 70° over a large area, but remaining below 60° at most places in central Europe, and below 52° in the extreme north of Scandinavia. Maxima between 65° and 67° in the south and south-east of England.

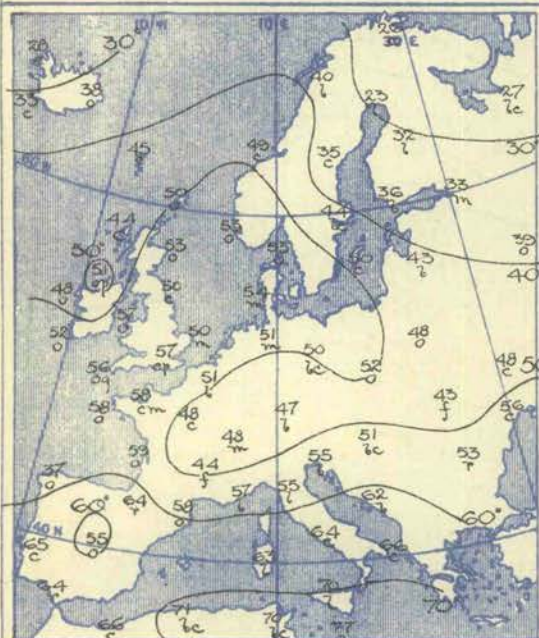
Wind in morning circulating cyclonically over the north and north-east of the Continent, the North-Westerly current blowing strongly over Scandinavia and the Baltic. Another cyclonic movement prevailing over Italy and its vicinity, the Southerly current being fresh or strong in Sicily and the nearer portion of the mainland. Decreasing in force over the major portion of the Continent by evening, but increasing to a gale from North-West at Vardø. Little change occurring over these Islands, but a gale from North-East setting in in the west of Iceland.

Barometer in morning above 30·1 ins. over a large area in the southern and central regions; relatively low in a large shallow area over Italy and much of the surrounding region, and below 29·2 ins. in a well-marked depression over Finland. Low in another disturbance to the southward of Iceland. Icelandic depression moving slowly eastward later, and a well-marked "V-shaped" disturbance approaching the west of these Islands. Finnish and Italian depressions both moving eastward.

Tuesday, 11th October, 1910.

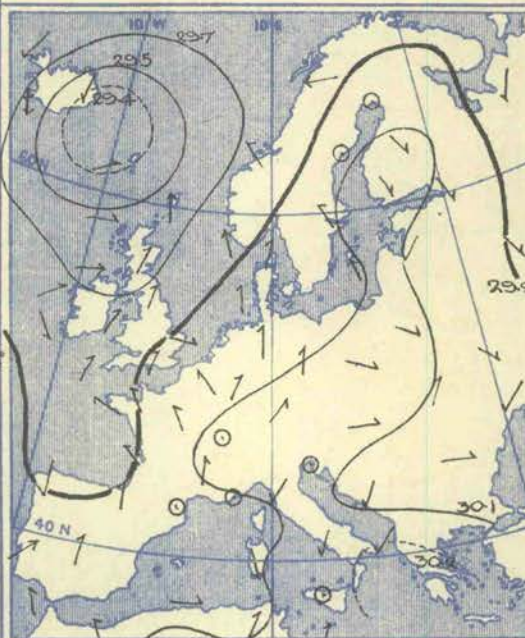
Temperature and Weather.

7 a.m.

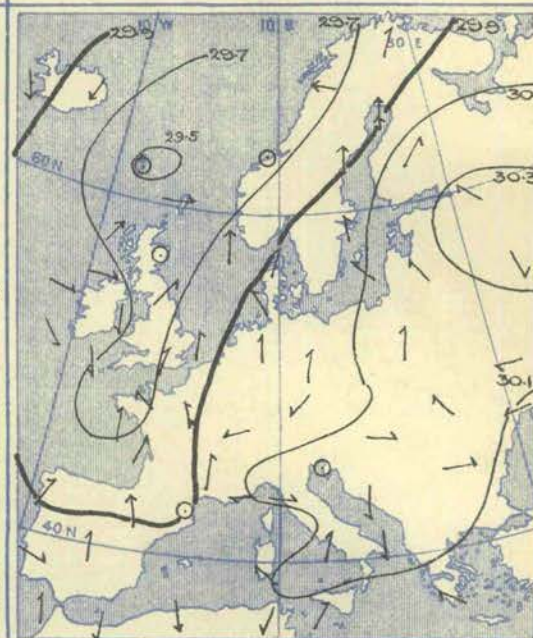


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or overcast in most regions, but fair to fine and bright at most places in the south of our area. Snow prevailing in Iceland, and rain falling in a few parts of these Islands, as well as at Lemberg, Hermanstadt, Biarritz, and San Fernando. Considerable or large amounts of rain later in nearly all parts of the United Kingdom, and also over the west and north of France and in Scandinavia. Thunderstorms at North Shields, Chassiron, and Paris.

Temperature fallen in Ireland and a large portion of northern Europe, risen in Great Britain, France, and Norway. Morning readings ranging from much below 32° at several stations in the far north of the Continent, to about 50° in the north and north-west of these Islands and at many places in central Europe and France, to above 60° over most of the Mediterranean region, to 77° at Malta, and to 81° at Cape de Garde. Rising later to 65° or 66° in the south-east of England, the Netherlands, and in some German localities, and to above 70° very generally in the south of our area. Maximum 88° at Malta, and also at Athens, and 106° at Tunis.

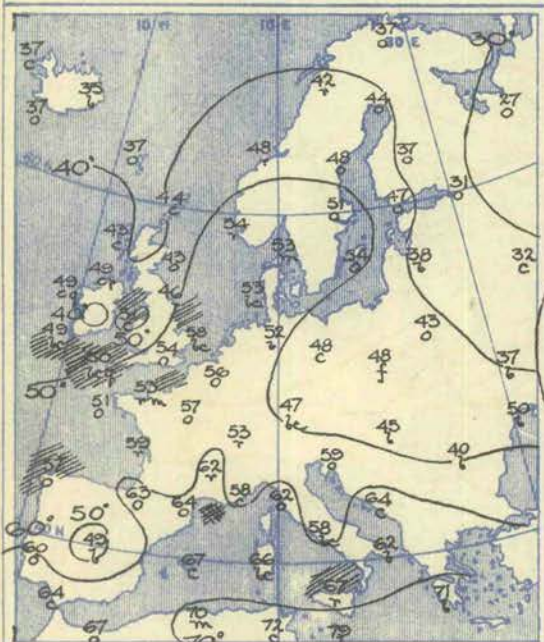
Wind in morning showing a cyclonic circulation over the Icelandic region, the Northerly current blowing a gale in the west of Iceland. Light breezes between North and West prevailing in the west and north-west of the United Kingdom, and a gentle to moderate Southerly breeze over England and Scotland and the adjacent portion of the Continent. Light, variable airs generally over the south of our area, and light winds, mainly from the Northward, over Russia.

Barometer in morning below 29.4 ins. in a well-marked depression having its centre between the Farøe and Iceland, and relatively low in a "V-shaped" system over these Islands. Above 30.2 ins. in the south-east of our area, and above 30.1 ins. in an irregularly shaped ridge extending from the Mediterranean to northern Finland. Both main and secondary depressions moving eastward and extending southward during day, and pressure increasing again over Iceland and in the west of this country. Pressure becoming highest over northern Russia.

Wednesday, 12th October, 1910.

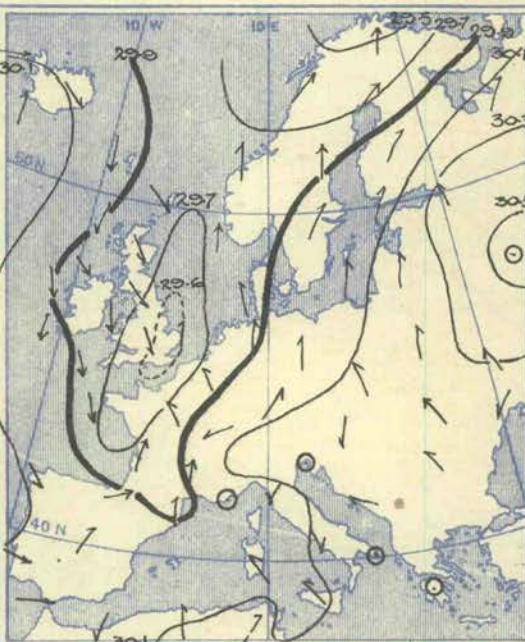
Temperature and Weather.

7 a.m.

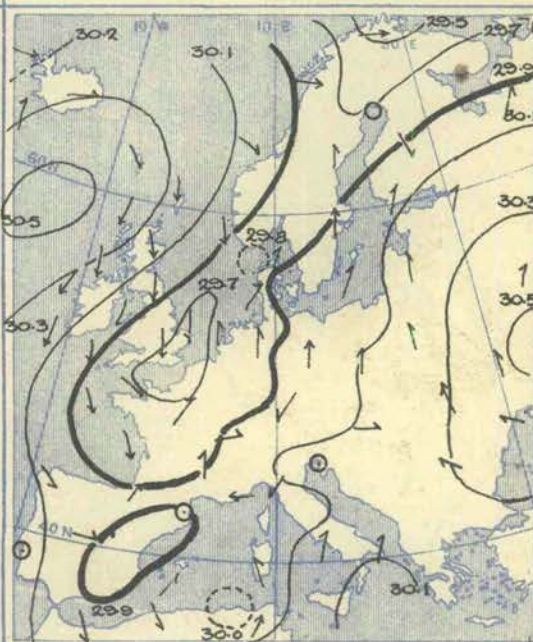


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rough and squally in nearly all parts of these Islands and the adjacent parts of the Continent, with showers or steady rain in several localities. Mostly fair or fine over the southern regions of our area, but dull in places. Heavy rain later in the south and south-west of England and also over a large portion of France. More than an inch at many places in this country, between 1.0 in. and 2.0 ins. at many stations in the south of France, and more than 4.0 ins. at Lyons. Thunderstorms occurring at Perpignan and Charleville.

Temperature risen in France, Sweden, and Finland, fallen in most other regions. Morning readings ranging from below 30° in the north of Russia, and below 40° in the north of Scotland, to above 55° in the south-east of England and over France, to above 60° on most shores of the Mediterranean, and to 79° at Malta. Maxima during day below 60° at almost all our own stations, but between 60° and 70° over a large area in the more southern countries, and to above 80° at a few places in the extreme south. Thermometer touching 100° at Tunis.

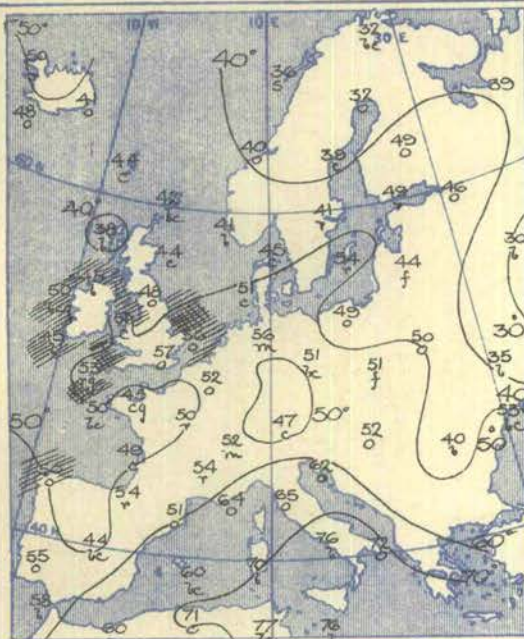
Wind in morning anticyclonic over Russia and mainly cyclonic elsewhere, the chief circulation being over the British Isles and their neighbourhood. Northerly current fresh to high over England and Ireland, as well as in Brittany. Light, variable airs prevailing over the greater part of the Mediterranean, but a high wind from South-East blowing at Palermo. Increasing to a gale from the Northward later on some English coasts.

Barometer in morning above 30.5 ins. over central Russia, and above 30.2 ins. some distance to the westward of Ireland. Below 29.6 ins. in an elongated depression extending from Brittany to the Dogger Bank, and a little lower in the far north of Scandinavia. Pressure increasing very briskly during day in the north and north-west of the United Kingdom, and depression in the south-east decreasing somewhat in depth and undergoing slight modification in form. A well-formed anticyclone developing off the north-west of these Islands and moving eastward.

Thursday, 13th October, 1910.

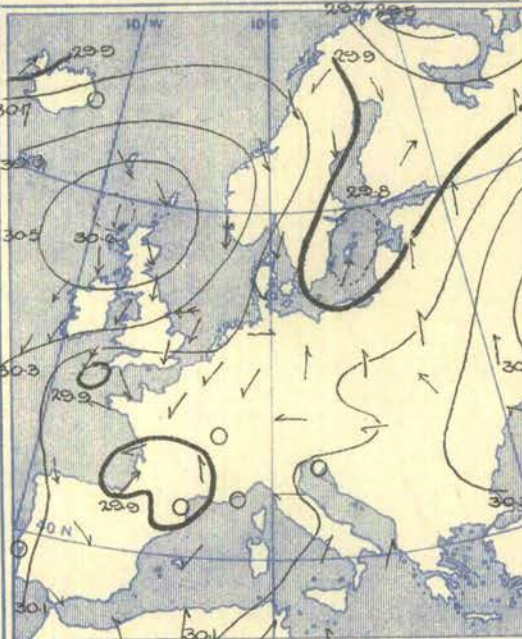
Temperature and Weather.

7 a.m.

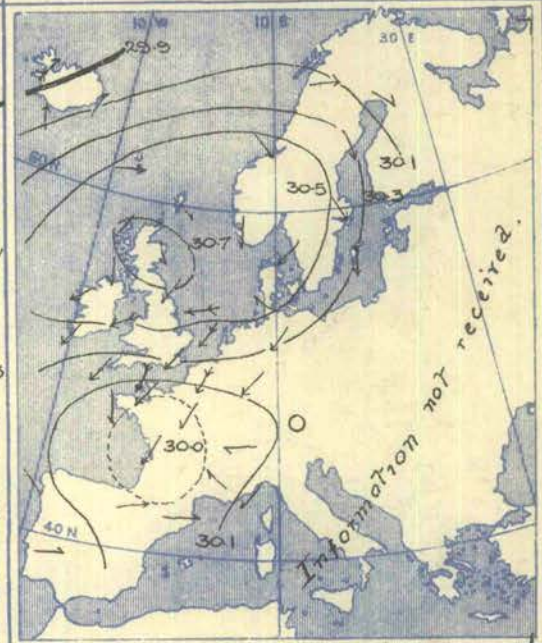


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rough and squally over nearly the whole of this country and the nearer regions of the Continent. Rain falling over a large portion of France and in northern Italy, as well as at Sicily, and at some Baltic stations. Fair to fine and bright at most stations in the south and south-east of Europe and in Algeria. Heavy rain later in the south-west and south of England, and over the greater portion of France, as well as in several parts of Scandinavia. More than an inch at several of our own stations and at Brest and Belfort.

Temperature fallen over the major portion of our area, risen in some parts of this country. Morning readings ranging from above 70° over the southern half of Italy and at several other stations on the shores of the Mediterranean, to about 55° in the south-east of England, below 50° over a very large area on the Continent and in the north and west of these Islands, and to about 30° in central Russia. Maxima during day about 60° at several stations in the south of England, but below 55° over the major portion of the Kingdom. Minima during night low in the north-east of Scotland; below freezing point in places.

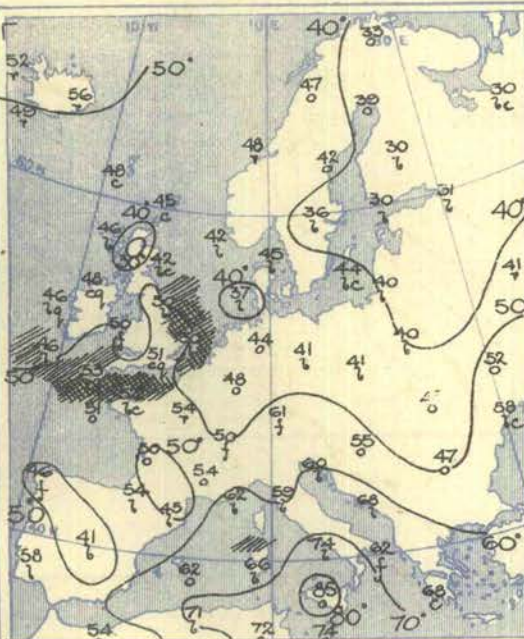
Wind in morning strong to a gale from the Northward over Scandinavia, and from the North-Eastward over England and Ireland. Light to fresh or strong Northerly breezes prevailing in Scotland, and a strong gale from South-West in the north-west of Iceland. Light and rather variable airs general over central and southern Europe. Gale continuing with little modification throughout the day and increasing in strength at night.

Barometer in morning above 30.6 ins. in an anticyclonic system centred over the Hebrides and nearly as high in the south-east of Russia. Below 29.9 ins. in a minimum over the southern departments of France, and also in a smaller disturbance at the mouth of the Channel. Anticyclone moving slightly in an easterly direction and increasing in intensity during day. Pressure increasing briskly over England and Scotland, and also in the Netherlands, but slowly in France. Depression at the mouth of the Channel becoming merged in the larger system over France.

Friday, 14th October, 1910.

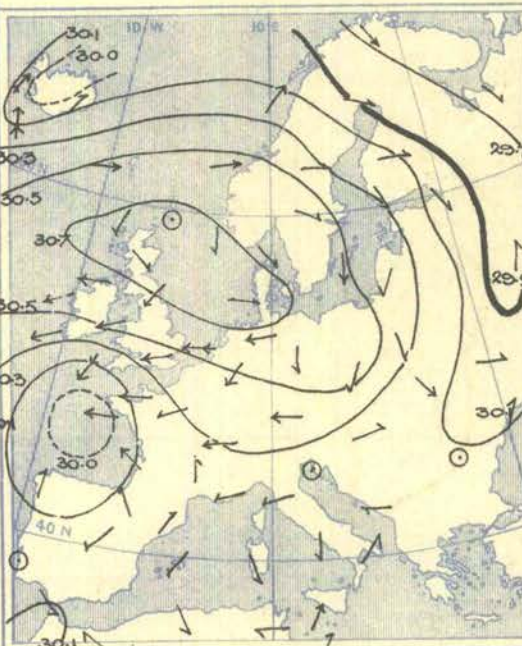
Temperature and Weather.

7 a.m.

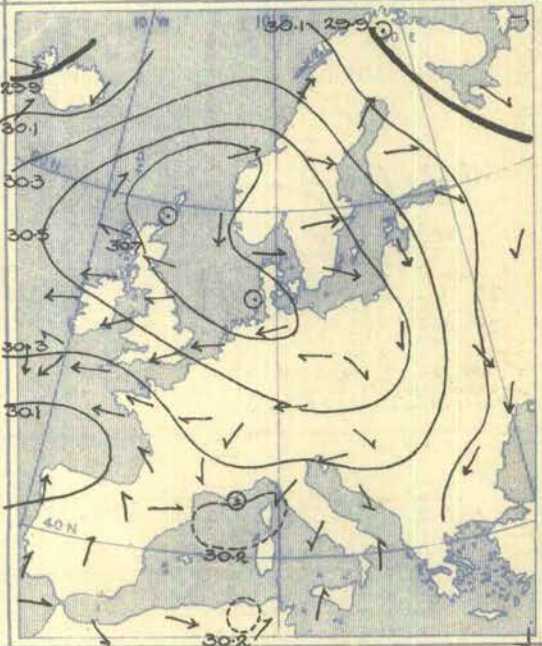


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy at several places in the south of England, and also at Christiansund and Moscow, and overcast in some other localities, but fair to fine generally. Rain, with thunderstorms in places, over a large area in France, about an inch at Clermont and Le Mans, and smaller amounts in the south of these Islands and over the southern half of Russia.

Temperature fallen over central Europe and the north of Russia, risen or changed irregularly elsewhere. Morning readings ranging from 85° at Palermo, and above 70° at many other stations in the extreme south, to below 50° over Europe as a whole, and to 30° at Nairn, Uleaborg, and Archangel. Maxima during day below 55° over most of the British Islands and a large portion of central Europe, but above 70° very generally in the south, and above 80° at several stations. Thermometer touching 95° at Tunis.

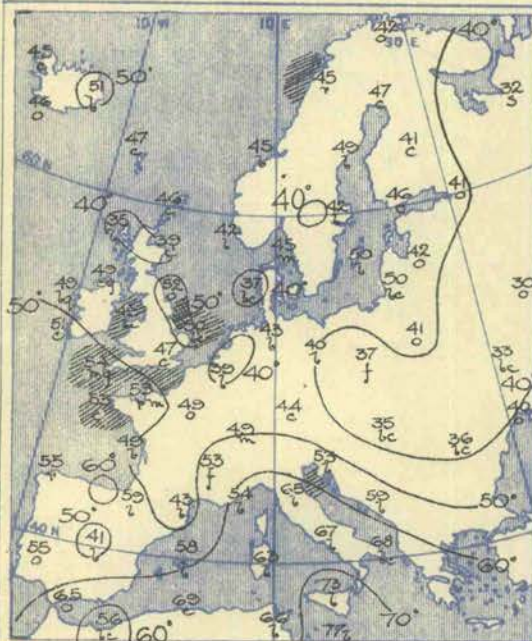
Wind in morning strong to a gale from between East and North-East over England and the adjacent Channels, but light from the Northward in Scotland. Fresh or strong to a gale from the Westward in the north of our area, and light and rather variable in most southern regions. A strong breeze from the Southward prevailing at Palermo. Gale subsiding over these Islands during day, but wind continuing to blow a fresh or strong breeze. No change of importance in direction; becoming more Easterly in the west of this country.

Barometer in morning above 30.7 ins. in an anticyclone covering the north of these Islands and the North Sea. Below 30.0 ins. in a depression centred over the Bay of Biscay and in another over Iceland, and to below 29.7 ins. in the extreme north of Russia. South-Western depression apparently becoming less deep by evening, and barometer rising in Brittany and the south-west of these Islands. Anticyclonic system moving slightly in an easterly direction. Not much change taking place in the general distribution of pressure.

Saturday, 15th October, 1910.

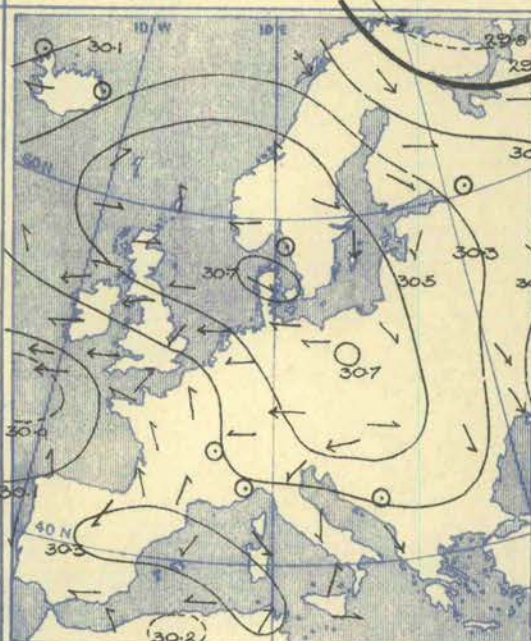
Temperature and Weather.

7 a.m.

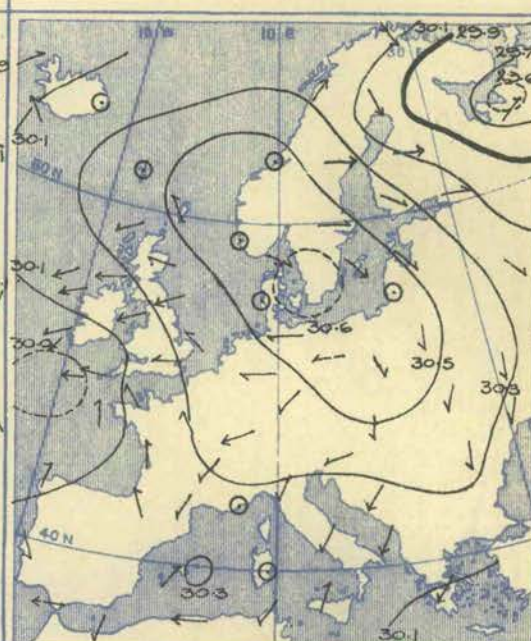


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over the major portion of our area, but overcast in the south-west of this country, and rainy in the Channel Islands and at Le Mans and Corunna; rain also falling at Bodø and snow at Archangel. Rain experienced later at many of our western and southern stations, as well as in the north of France and the north of Norway.

Temperature fallen in most regions, risen over Finland and Sweden. Morning readings ranging from 77° at Malta and between 60° and 70° over the greater part of the Mediterranean to below 40° at several stations in central Europe and to 30° at Nairn and also at Moscow. Maxima during day about 65° over a wide area in these Islands and their vicinity, but as high as 68° at Hørnøssand. Thermometer only rising to 52° at Munich, and falling to 31° at night. Maximum as high as 91° at Tunis and nearly 80° at some southern Italian stations.

Wind in morning fresh to strong from the Eastward or North-Eastward over England and Ireland, light and rather variable in Scotland and southern Scandinavia, but strong to a gale from the North-Westward in the north of Norway. Wind light and rather variable over the Mediterranean generally, but strong from North-West at Brindisi. Decreasing greatly in force later over England and veering towards South-East or South on the eastern and southern coasts. Backing to South-West and decreasing to a strong breeze in the north of Norway.

Barometer in morning above 30.6 ins. in a large area extending from Hungary to beyond the west coast of Norway. Below 30.0 ins. in a large depression having its minimum some distance to the south-westward of Sicily, and below 29.8 ins. in the Arctic regions of Europe. Pressure giving way later over the whole of north-western Europe, the change being more decided in the north and west of the United Kingdom than elsewhere. Gradient decreasing over our Islands and the North Sea. A well-marked depression moving south-eastward over the White Sea.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						200 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Oct. 13th, 9.45 a.m. to 11.45 a.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	286.5° 87% 80°, 8-9	284° 87% 70°, 11	281.5° 100% 70°, 18-8						{ Overcast stratus. Very heavy rain followed. At descent wind 13.4 m.p.s.
2	Oct. 14th, 9.55 a.m. to 10.30 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind ..	282° 90% 70°, 10	281° 90% 70°, 17	279.5° 95% 80°, 19						{ Very gusty wind, increasing rapidly with height, but clouds that looked low almost stationary.
3	Oct. 15th, 10.30 a.m. to 10.35 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind ..	282° 90% 90°, 7	281° 90% 90°, 10	279° 100% 110°, 17					283° 50% 110°, 24	{ Overcast, clouds at 600 m. Inversion at 800 m. Very gusty wind below, quite steady but very strong wind above the inversion.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3
No. of Kites	2	1	1
Area of Surface (sq. metres) ..	10	6	6
Length of Wire (metres) ..	610	500	1,050

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 42. FORTY-SECOND WEEK, SUNDAY, OCTOBER 16TH, TO SATURDAY, OCTOBER 22ND, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was at first fair and dry in the northern and eastern parts of the United Kingdom, but afterwards became very unsettled in all districts. Heavy rain occurred in Wales and the West and North of England on Tuesday and Wednesday, and a still heavier downpour (accompanied in many places by sharp thunderstorms) on the coasts of Kent and Sussex on Thursday. Thunderstorms were experienced locally in the East of England on Monday, while an aurora was seen at Gordon Castle on Tuesday night.

Temperature was above the average in all districts except the English Channel where the mean value agreed very closely with the normal; in England N.E. and Ireland N. the excess amounted to nearly $2\frac{1}{2}^{\circ}$ and in England E. to 3° . The highest temperatures occurred very commonly between the 16th and 18th when the thermometer rose to 60° or slightly above it in most districts. Over the country generally the lowest readings were registered in the latter part of the week but in Scotland N. and E. they occurred during the first three days. In most of the English districts the thermometer in the screen did not fall as low as 35° , but in Scotland W. and England N.W. it sank to 31° and in Scotland E. to 30° . On the surface of the grass the lowest readings reported were 25° at West Linton, 26° at Balmoral and Aspatria and 27° at Burnley and Llangammarch Wells.

Mean Temperature of the Sea. At the southern stations the water was cooler than in the corresponding week of last year, the difference amounting to 3° or more in some parts of our south-west coasts; in the north and east it was, as a rule, somewhat warmer. The means for the week ranged from 57° at Eastbourne and Newquay, and 56° at Margate to between 50° and 52° on most parts of the Scotch coasts.

Rainfall exceeded the average in most of the English districts and in Scotland E., but was deficient in Scotland N. and W., and also in Ireland. More than an inch was collected on the 18th or 19th at several places in Wales, the north-west of England and the south of Scotland, while on the 20th as much as 1.6 in. fell at Dungeness and 2.4 ins. at Dover.

Bright Sunshine was very deficient over Great Britain, but agreed very closely with the average in Ireland. The percentage of the possible duration ranged from 32 in Ireland S. and 29 in the English Channel to 16 in the Midland counties and Scotland E. and W., and to 15 in England N.W.

Barometer and Wind.—In the earlier half of the period the weather was influenced by two well marked depressions, which came in from the Atlantic. The first of these passed north-eastwards across England on the 17th, while the second moved eastwards across the northern parts of Ireland and England on the following day, when the South-Westerly current increased to the force of a strong or high wind on our south-west coasts. In the rear of the latter disturbance a general veering to the north took place, and at exposed places in the west and south-west a strong to whole gale was experienced. On the night of October 19th a small secondary depression was developed over the eastern half of the Channel but in the latter part of the week when the primary and secondary disturbances both moved south to France and filled up, the wind veered to North-East and East very generally and moderated in strength.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 324.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with aver- age for the time of year	Warmth ...	Moderate	Moderate	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate
	Rainfall ...	Light	Heavy	Moderate	Moderate	Moderate	Heavy	Moderate	Heavy	Moderate	Moderate	Light	Moderate
	Sunshine ...	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 7 weeks from Sept. 4th, 1910.	Warmth ...	2 * 0	2 * 1	4 * 3	4 * 2	3 * 2	3 * 3	2 * 0	2 * 3	2 * 2	3 * 1	2 * 2	2 * 2
	Rainfall ...	0 * 6	1 * 6	0 * 5	1 * 4	1 * 3	2 * 4	0 * 4	1 * 6	1 * 5	0 * 5	0 * 5	1 * 4
	Sunshine ...	3 * 1	3 * 2	2 * 3	0 * 4	0 * 4	2 * 4	3 * 2	3 * 1	3 * 3	2 * 2	0 * 2	1 * 3

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FORTY-SECOND WEEK—October 16th to October 22nd, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	58	33	52.6	42.0	47.1	+ 1.5	Day-deg. 36	Day-deg. + 1	Day-deg 0	Day-deg. - 9	4	- 1	Inches. 0.42	Inches. - 0.68	15	- 2	% 22	% - 3
Eastern																		
1. SCOTLAND, EAST	61	30	52.7	40.9	46.6	+ 1.2	37	0	3	- 8	5	+ 1	1.39	+ 0.73	11	- 8	16	- 12
2. ENGLAND, N.E.	63	36	55.7	44.3	49.8	+ 2.3	55	+ 12	0	- 5	5	+ 1	0.80	+ 0.06	13	- 8	18	- 12
3. ENGLAND, EAST	62	38	57.0	45.9	51.3	+ 3.0	65	+ 14	0	- 6	4	0	0.41	- 0.24	16	- 8	21	- 11
4. MIDLAND COUNTIES	61	36	55.1	43.5	49.1	+ 1.9	50	+ 4	0	- 8	4	0	0.81	+ 0.15	12	- 9	16	- 12
5. ENGLAND, S.E.	62	37	56.3	46.5	51.3	+ 1.6	65	+ 7	0	- 4	5	+ 2	1.07	+ 0.34	13	- 11	17	- 15
Western																		
6. SCOTLAND, WEST	60	31	54.8	43.2	48.8	+ 1.7	48	+ 5	0	- 7	4	0	0.69	- 0.33	11	- 8	16	- 11
7. ENGLAND, N.W.	61	31	54.5	43.9	49.0	+ 0.7	49	+ 1	0	- 4	5	+ 2	1.46	+ 0.60	11	- 8	15	- 11
8. ENGLAND, S.W.	61	37	55.2	45.4	50.1	+ 0.4	57	- 1	0	- 3	5	+ 1	1.17	+ 0.16	18	- 6	24	- 8
9. IRELAND, NORTH	60	35	55.4	44.4	49.8	+ 2.3	55	+ 10	0	- 5	5	+ 1	0.61	- 0.20	20	- 1	28	- 1
10. IRELAND, SOUTH	62	36	56.5	44.5	50.3	+ 1.4	58	+ 4	0	- 4	5	+ 1	0.46	- 0.42	23	0	32	0
11. ENGLISH CHANNEL	61	39	57.4	49.0	53.1	- 0.1	78	0	0	0	5	0	1.22	+ 0.30	21	- 6	29	- 9
THE SEASON (Autumn).—Aggregates, &c., for the Period of 7 Weeks, September 4th to October 22nd, 1910.																		
0. SCOTLAND, NORTH	68	29	*	*	*	*	428	+ 32	10	- 11	27	- 7	2.79	- 5.15	164	+ 16	28	+ 3
Eastern																		
1. SCOTLAND, EAST	72	29	*	*	*	*	445	+ 20	11	- 15	16	- 12	2.42	- 1.91	185	+ 11	32	+ 2
2. ENGLAND, N.E.	74	34	*	*	*	*	547	+ 47	0	- 10	17	- 8	2.41 §	- 1.33	180	- 15	31	- 3
3. ENGLAND, EAST	75	36	*	*	*	*	625	+ 54	0	- 13	18	- 6	2.38	- 1.30	175	- 41	30	- 7
4. MIDLAND COUNTIES	76	33	*	*	*	*	585	+ 14	0	- 18	16	- 8	2.56	- 1.28	150	- 41	26	- 7
5. ENGLAND, S.E.	74	32	*	*	*	*	636	+ 8	0	- 8	17	- 6	3.35	- 0.90	198	- 22	34	- 4
Western																		
6. SCOTLAND, WEST	69	31	*	*	*	*	498	+ 31	0	- 14	19	- 9	3.09	- 4.03	193	+ 15	33	+ 3
7. ENGLAND, N.W.	73	31	*	*	*	*	533	+ 4	0	- 6	17	- 9	2.60	- 2.37	194	+ 13	33	+ 2
8. ENGLAND, S.W.	71	27	*	*	*	*	588	- 3	0	- 5	18	- 9	4.40	- 1.50	213	+ 4	37	+ 1
9. IRELAND, NORTH	69	34	*	*	*	*	513	+ 24	0	- 8	19	- 12	2.37	- 3.19	176	+ 8	30	+ 1
10. IRELAND, SOUTH	70	35	*	*	*	*	553	+ 4	0	- 7	22	- 5	2.65	- 2.54	173	- 25	30	- 4
11. ENGLISH CHANNEL	74	39	*	*	*	*	733	- 3	0	0	19	- 10	5.13	+ 0.09	253	- 5	44	- 1
THE YEAR.—Aggregates, &c., for the Period of 42 Weeks, January 2nd to October 22nd, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	2034	+ 84	605	+ 27	190	- 4	37.69	- 1.66	1098	+ 66	28	+ 2
Eastern																		
1. SCOTLAND, EAST	80	- 10	*	*	*	*	2127	- 68	647	+ 1	160	- 1	25.14	+ 1.24	1213	- 13	31	0
2. ENGLAND, N.E.	81	6	*	*	*	*	2575	+ 125	454	- 31	151	+ 6	19.17 §	- 0.08	1233	- 96	32	- 3
3. ENGLAND, EAST	83	17	*	*	*	*	2926	+ 95	393	- 141	153	+ 13	19.50	+ 0.91	1353	- 90	36	- 2
4. MIDLAND COUNTIES	83	10	*	*	*	*	2770	+ 13	474	- 77	151	+ 12	21.38	+ 0.78	1223	- 66	32	- 2
5. ENGLAND, S.E.	81	13	*	*	*	*	2997	- 50	294	- 95	151	+ 18	22.53	+ 2.17	1339	- 74	37	- 2
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	2460	+ 90	432	- 7	171	+ 3	36.27	+ 0.30	1270	+ 10	33	0
7. ENGLAND, N.W.	81	7	*	*	*	*	2615	+ 19	338	- 54	171	+ 17	29.19	+ 2.51	1336	+ 58	35	+ 2
8. ENGLAND, S.W.	81	8	*	*	*	*	2812	- 71	242	- 64	163	+ 11	31.62	+ 3.07	1411	- 15	37	0
9. IRELAND, NORTH	79	7	*	*	*	*	2491	+ 15	351	- 2	187	+ 4	31.66	+ 2.24	1171	+ 12	31	0
10. IRELAND, SOUTH	79	18	*	*	*	*	2824	- 11	258	- 8	193	+ 31	33.05	+ 2.68	1242	- 64	33	- 2
11. ENGLISH CHANNEL	79	28	*	*	*	*	3258	- 64	54	- 55	161	- 1	27.60	+ 3.88	1602	- 132	42	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 § The corresponding value for Report No. 36 slightly altered owing to the receipt of further information.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					NAMES OF STATIONS.								
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.											
						Of Highest each day.	Of Lowest each day.	For whole of each day.																				
									Above 42°	Below 42°		Ins.	Ins.	Hrs.	Hrs.	%	%											
0. SCOTLAND, N.	a, Islands.	p Baltasound	54	21st, 22nd	44	18th, 19th	51.7	45.4	48.5	—	—	Day	Day	—	—	—	—	Baltasound.										
		a Sumburgh Head	57	16th	43	20th	52.7	45.4	48.9	+ 3.2	48	0	4	0.08	—	21.4	—	Deerness.										
		a Stornoway	56	16, 21, 22nd	35	16th	53.0	41.0	46.8	+ 0.9	38	3	3	0.41	—	23.6	+ 4.6	Stornoway.										
	b, Main-land.	a Castlebay, Barra Isd.	56	21st	41	20th	53.0	47.4	50.1	+ 2.1	57	0	5	1.09	—	14.3	—	Castlebay.										
		a Wick	58	18th	33	18th, 19th	53.4	41.4	47.2	+ 0.9	39	2	5	0.33	—	0.40	—	Strathpeffer.										
		p Strathpeffer	55	21st	36	16th	51.2	41.8	46.4	+ 1.1	32	1	6	0.39	—	10.7	—	Strathpeffer.										
		p Glencairn	55	21st, 22nd	37	16th	51.9	40.7	46.1	+ 1.5	34	4	4	0.62	—	1.51	—	Fort Augustus.										
1. SCOTLAND, E. . .	a, Islands.	p Fort Augustus	56	16, 17, 21st	37	16th, 17th	53.3	41.1	47.0	+ 1.2	39	3	3	0.41	—	0.55	—	Fort Augustus.										
		p Fort William	57	21st	38	20th	53.1	42.1	47.4	+ 0.3	38	0	5	0.62	—	1.11	—	Gordon Castle.										
		p Gordon Castle	61	18th	32	17th	53.8	41.0	47.2	+ 0.3	41	3	5	1.29	+ 0.52	16.2	—	Gordon Castle.										
	b, Main-land.	a Nairn	57	21st	30	16th	52.6	38.4	45.3	—	0.9	38	10	0	0.39	—	0.15	—	Nairn.									
		a Aberdeen	56	21st	38	16th	54.1	42.9	48.3	+ 1.4	44	0	5	0.63	—	0.03	—	Aberdeen.										
		a Balmoral	54	17th	30	18th	51.0	37.3	44.0	+ 1.2	34	13	5	1.89	+ 1.04	8.9	—	Crathes S.										
		p Crieff	57	17th	39	18th, 20th	52.8	43.1	47.8	+ 1.0	41	0	4	1.33	+ 0.46	13.6	—	Balruidery										
2. ENGLAND, N.E.	a, Islands.	a Leith	59	16th	39	18th, 19th	54.1	42.4	48.1	—	0.1	43	0	5	1.44	+ 0.96	—	—	Edinburgh.									
		a West Linton	53	16, 17, 21st	32	18th	51.2	39.6	45.2	—	0.0	32	7	5	1.97	—	12.0	—	West Linton.									
		p Marchmont	56	16th	36	18th	51.6	42.3	46.8	+ 1.2	34	0	5	2.21	+ 1.39	8.9	—	Marchmont.										
	b, Main-land.	a Alnwick Castle	56	16, 17, 18th	36	18th	54.1	43.7	48.8	+ 1.6	48	0	5	1.38	+ 0.54	8.5	—	12	—	Cockle Park.								
		p Shields	58	18th	39	20th, 21st	55.3	43.6	49.3	+ 1.4	51	0	4	1.19	+ 0.49	2.0	—	14.0	—	Newcastle.								
		a Durham	56	16th, 18th	37	20th	53.2	43.7	48.3	+ 1.3	44	0	6	1.16	+ 0.42	11.0	—	9.0	—	Durham.								
		p Rounton	58	16th, 21st	38	17th	54.7	42.4	48.4	+ 1.6	45	0	6	0.93	+ 0.21	—	—	—	—	Scarborough.								
3. ENGLAND, E.	a, Islands.	p Scarborough	62	22nd	43	21st	58.3	46.3	52.1	+ 3.5	71	0	5	1.04	+ 0.29	11.7	—	16	—	Scarborough.								
		p York	63	16th	40	20th, 21st	56.7	43.0	49.7	+ 1.5	54	0	5	0.78	+ 0.18	15.6	—	3.6	—	York.								
		a Spurn Head	59	18th	45	20th, 21st	55.9	49.0	52.4	+ 2.5	73	0	4	0.21	—	0.34	—	—	—	Skegness.								
	b, Main-land.	a Lincoln	60	16th	40	20th	56.4	43.6	49.8	+ 1.6	55	0	3	0.38	—	0.20	—	16.7	—	23	—	Raueby.						
		a Fulbeck	61	16th	40	20th	56.6	43.1	49.7	+ 1.9	54	0	5	0.13	—	0.46	—	13.4	—	18	—	Loxton.						
		p Cromer	61	17th	45	20th	57.5	48.2	52.7	+ 4.4	75	0	6	0.45	—	15.6	—	24	—	21	—	Cromer.						
		p Hillington	61	17th	38	21st	56.6	43.5	49.9	+ 1.5	55	0	5	0.38	—	0.32	—	14.0	—	7.9	—	19	—	Hillington.				
4. MIDLAND COUNTIES.	a, Islands.	a Yarmouth	61	17th	45	20th	57.1	49.9	53.4	+ 3.7	80	0	3	0.90	+ 0.20	13.1	—	18	—	18	—	Yarmouth.						
		a Norwich	60	17th	41	21st	56.2	46.1	51.0	+ 2.4	63	0	4	0.39	—	—	—	—	—	—	—	Geldeston.						
		p Geldeston	62	17th, 18th	38	17th	57.6	44.6	50.9	+ 1.5	62	0	2	0.16	—	0.51	—	15.3	—	9.5	—	21	—	Cambridge.				
	b, Main-land.	p Cambridge	61	16th	41	16th, 21st	57.2	43.8	50.3	+ 1.7	58	0	3	0.23	—	0.30	—	17.8	—	6.1	—	24	—	Felzstowe.				
		a Felzstowe	59	16, 17, 18th	41	20th	57.6	48.9	53.1	+ 2.6	78	0	3	0.10	—	26.1	—	—	—	—	—	36	—	Clacton.				
		a Clacton-on-Sea	60	18th	41	20th	57.9	46.9	52.2	+ 1.9	71	0	2	0.06	—	20.4	—	—	—	—	—	28	—	Rothamsted.				
		a Rothamsted	59	16th	42	20th	56.6	44.1	49.7	+ 1.5	64	0	5	0.38	—	0.29	—	15.5	—	8.7	—	21	—	Southend.				
5. ENGLAND, S.E. . .	a, Islands.	a Shoeburyness	61	18th	42	21st	57.6	46.7	52.0	+ 1.1	70	0	5	0.19	—	0.23	—	21.2	—	29	—	18	—	Tottenham.				
		p Tottenham	61	16th	41	21st	57.7	46.1	51.7	+ 3.1	68	0	5	0.74	—	12.8	—	—	—	—	—	—	—	Tottenham.				
		a Harrogate	57	16th	38	20th	53.6	43.7	48.5	+ 1.7	46	0	5	1.36	+ 0.62	13.1	—	—	—	18	—	18	—	Harrogate.				
	b, Main-land.	a Bawtry	60	16th	38	17th	56.7	41.1	48.7	+ 1.4	51	3	6	0.32	—	0.25	—	7.8	—	11.2	—	11	—	15	—	Workshop.		
		p Buxton	54	16th	36	20th	50.8	43.8	47.2	+ 2.4	36	0	6	0.56	—	0.63	—	7.6	—	—	—	10	—	10	—	Buxton.		
		a Nottingham	59	16th	42	20th	55.7	44.1	49.7	+ 1.7	54	0	5	0.28	—	0.27	—	11.7	—	—	—	16	—	16	—	Nottingham.		
		p Birmingham, Edgbn	58	16th	39	20th	54.0	41.5	49.1	+ 1.4	50	0	4	0.59	—	0.01	—	8.5	—	—	—	12	—	12	—	Birmingham.		
6. {	a, Islands.	a Raunds	61	18th	41	16th	57.4	43.3	50.1	+ 2.0	57	0	2	0.10	—	—	—	—	—	—	—	—	—	—	—	Oxford.		
		a Oxford	59	16th, 17th	43	21st	56.3	45.1	50.5	+ 2.1	60	0	4	0.49	—	0.11	—	17.1	—	5.7	—	23	—	8	—	Sheffield.		
		a Cheadle	55	17th, 21st	36	20th	52.8	42.0	47.2	+ 0.8	36	0	5	0.36	—	0.34	—	8.6	—	—	—	12	—	12	—	Cirencester.		
	b, Main-land.	p Shrewsbury	58	16th	40	20th	54.9	44.5	49.6	+ 1.6	53	0	5	1.02	—	—	—	—	—	—	—	—	—	—	—	Bath.		
		a Hereford	56	16, 18, 19th	39	20th	54.4	42.7	48.4	—	0.0	45	0	4	1.45	+ 0.85	—	—	—	—	—	—	—	—	—	Ramsgate.		
		a Cirencester	57	16th	40	20th	53.8	42.7	48.1	+ 0.6	43	0	4	0.62	—	0.05	—	13.2	—	9.5	—	18	—	13	—	Kew.		
		a Bath	61	16th	40	21st	56.1	44.9	50.3	+ 0.7	58	0	5	2.31	+ 1.64	13.5	—	19.9	—	19	—	27	—	17	—	Marlborough.		
7. {	a, Islands.	p Kew	61	16th	39	21st	57.1	46.1	51.4	+ 2.4	66	0	5	0.53	—	0.08	—	12.4	—	8.9	—	17	—	12	—	Margate.		
		a Marlborough	62	16th	37	21st	54.9	42.4	48.5	+ 1.4	46	0	5	1.17	+ 0.44	7.7	—	13.9	—	11	—	19	—	11	—	Worthing.		
		a Margate	62	16th	47	20th	58.5	49.2	53.7	+ 2.7	82	0	4	0.25	—	0.37	—	17.9	—	6.3	—	25	—	9	—	Tunbridge Wells.		
	b, Main-land.	a Wisley, Surrey	61	16th, 18th	37	21st	56.9	45.0	50.8	+ 1.0	62	0	4	0.73	—	11.2	—	—	—	—	—	15	—	14	—	14	—	Littlestone.
		a Swaraton	58	16th	41	21st	54.6	45.5	49.9	+ 2.1	55	0	4	0.72	—	0.08	—	10.1	—	—	—	15	—	15	—	Hastings.		
		a Tunbridge Wells	59	18th	41	21st	55.3	44.6	49.8	+ 1.1	55	0	6	0.90	+ 0.10	12.8	—	11.8	—	18	—	16	—	23	—	Southampton.		
		a Dungeness	60	16, 17, 18th	44	21st	56.6	48.0	52.2	+ 0.3	71	0	5	2.92	+ 2.22	18.8	—	11.2	—	21	—	21	—	22	—	Ventnor.		
8. {	a, Islands.	p Hastings	62	15th	43	21st	56.2	47.9	51.9	+ 0.8	69	0	4	2.07	+ 1.23	15.8	—	11.2	—	21	—	15	—	15	—	Eastbourne.		
		p Southampton	60	16th, 17th	41	21st	56.7	47.6	52.0	+ 1.2	70	0	5	0.41	—	0.39	—	8.3	—	17.1	—	21	—	23	—	Westminster.		
		a Ventnor																										

[illegible]

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.		STATION.	Highest. °	Lowest. °	Mean. °	DISTRICT.		STATION.	Highest. °	Lowest. °	Mean. °
SCOTLAND, N.	.. ..	Lerwick	50	50	50·0	SCOTLAND, W.	.. ..	Lamlash	54	53	53·1
		Kirkwall	51	48	50·1			Ballantrae	51	49	50·0
		Wick	52	51	52·0	ENGLAND, N.W.	... ..	Port Erin	54	53	53·4
		Cromarty	52	50	50·8			Newquay	68	56	57·0
SCOTLAND, E.	.. ..	Pennan Bay	51	50	50·9	ENGLAND, S.W.	.. ..	Scilly	55	53	54·1
		Aberdeen, Cove Bay	53	53	53·0			Plymouth†	52	51	51·4
ENGLAND, N.E.	.. ..	Burnmouth, Berwick	51	50	50·4			Salcombe	57	50	54·6
		Scarborough	54	51	52·6	IRELAND, N.W.	.. ..	Sheephaven	54	53	53·7
ENGLAND, E.	.. ..	Shipwash Lightship	59	56	57·7			Teeelin	55	51	53·0
		Margate†	57	54	56·1	IRELAND, S.W.	.. ..	Cleggan	53	49	51·1
ENGLAND, S.E.	.. ..	Eastbourne†	58	56	57·0	IRELAND, E.	.. ..	Seafield	54	49	51·9
									—	—	—

† Only one observation each day.

CORRECTIONS AND ADDITIONS FOR SEPTEMBER, 1910.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

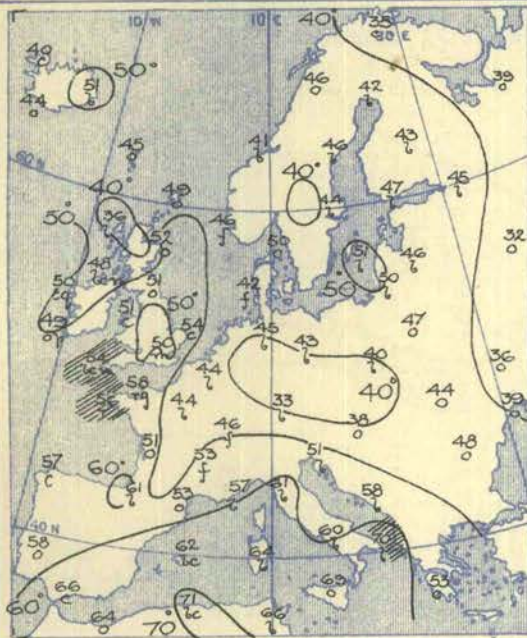
All corrections are incorporated in the results issued in the Monthly Summary.

NUMBER AND PAGE OF REPORT.	NUMBERS OF DISTRICTS AND NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.								Rainfall.			Bright Sunshine.					
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day-degrees).		Number of Rain-Days.	Rainfall in the Week.	Difference from the Average for the Week.	Number of Hours recorded.	Difference from the Average for the Week.	Percentage of possible duration.	Difference from the Average for the Week.
						Of Highest each day.	Of Lowest each Day.	For whole of each day.		Above 42°	Below 42°							
										Day-deg	Day-deg		Inches.	Inches.	Hrs.	Hrs.	%.	%.
District Values.—																		
No. 36, p. 290 .. .	0. Scotland, N.	—	—	—	—	—	—	—	—	—	—	—	—	—	28	+ 2	29	+ 3
No. 36, p. 290 .. .	2. England, N.E.	—	—	—	—	—	—	—	—	—	—	—	0·14	- 0·46	—	—	—	—
No. 36, p. 290 .. .	4. Midland Counties.	—	—	—	—	—	—	—	—	—	—	—	—	—	20	- 13	—	—
No. 38, p. 306 .. .	0. Scotland, N.	—	—	—	—	—	—	—	—	—	—	—	—	—	18	- 5	21	- 6
Station Values.— Additions.																		
No. 36, p. 291 .. .	Norwich .. .	62	7th	44	10th	60·3	49·7	54·8	- 3·1	90	0	4	0·06	—	—	—	—	—
No. 36, p. 291 .. .	Sheffield .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	12·1	—	13	—
No. 36, p. 291 .. .	Eastbourne .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	34·9	- 6·7	38	- 7
No. 37, p. 299 .. .	Cromer .. .	60	11,13,17	50	13th	58·9	52·5	56·0	- 0·5	98	0	5	0·61	—	13·2	—	15	—
No. 37, p. 299 .. .	Rhyl .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	32·8	—	36	—
No. 38, p. 307 .. .	Cheadle .. .	61	21st	36	20, 21	57·1	42·5	49·5	- 3·7	53	0	0	0·00	- 0·62	—	—	—	—
No. 39, p. 315 .. .	Torquay .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	35·9	+ 2·1	43	+ 3
Station Values.— Corrections.																		
No. 33, p. 267 .. .	Poltalloek .. .	—	—	? 49	—	—	? 53·3	58·0	+ 1·2	112	—	—	—	—	—	—	—	—
No. 34, p. 275 .. .	Poltalloek .. .	—	—	? 39	—	—	? 48·4	54·0	- 2·4	84	—	—	—	—	—	—	—	—
No. 35, p. 283 .. .	Poltalloek .. .	—	—	? 48	—	—	? 49·6	54·0	- 1·9	84	—	—	—	—	—	—	—	—
No. 36, p. 291 .. .	Deerness .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	29·2	+ 3·1	31	+ 3
No. 36, p. 291 .. .	Durham .. .	—	—	—	—	—	—	—	—	—	—	2	0·20	- 0·29	—	—	—	—
No. 36, p. 291 .. .	Scarborough .. .	—	—	—	—	—	—	—	—	—	—	—	0·06	- 0·44	—	—	—	—
No. 36, p. 291 .. .	Rothamsted .. .	—	—	—	—	—	—	—	—	—	—	3	0·06	- 0·47	—	—	—	—
No. 36, p. 291 .. .	Nottingham .. .	—	—	44	10th	—	49·9	55·2	- 1·5	92	—	—	—	—	—	—	—	—
No. 36, p. 291 .. .	Raunds .. .	—	—	—	—	62·2	—	54·2	- 3·0	85	—	—	—	—	—	—	—	—
No. 36, p. 291 .. .	Poltalloek .. .	—	—	? 38	—	—	? 46·1	53·5	- 1·7	81	—	—	—	—	—	—	—	—
No. 36, p. 291 .. .	Glasgow .. .	—	—	44	8th	—	48·6	54·7	+ 0·5	89	—	—	—	—	—	—	—	—
No. 36, p. 291 .. .	Bettws-y-Coed .. .	—	—	—	5th	—	45·9	54·0	- 3·0	84	—	—	—	—	—	—	—	—
No. 36, p. 291 .. .	Ballinacurra .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	11·6	—	13	—
No. 37, p. 299 .. .	Crieff .. .	67	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 37, p. 299 .. .	York .. .	63	17th	—	—	59·3	—	52·8	- 3·0	76	—	—	—	—	—	—	—	—
No. 37, p. 299 .. .	Lincoln .. .	—	—	—	—	59·1	—	53·7	- 2·7	82	—	—	—	—	—	—	—	—
No. 37, p. 299 .. .	Cheadle .. .	—	—	—	16th	—	46·6	51·7	- 2·5	68	—	—	—	—	—	—	—	—
No. 37, p. 299 .. .	Stonyhurst .. .	64	11th	—	—	59·2	—	53·0	- 1·5	77	—	—	—	—	—	—	—	—
No. 37, p. 299 .. .	Blacksod Point .. .	62	—	—	—	58·6	—	54·4	- 0·5	87	—	—	—	—	—	—	—	—
No. 38, p. 307 .. .	Strathpeffer .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	20·5	- 6·1	24	- 7
No. 38, p. 307 .. .	Stonyhurst .. .	—	—	—	—	—	42·4	49·4	- 4·1	52	—	1	0·01	0·97	—	—	—	—
Station Values.— Additions.																		
No. 36, p. 292 .. .	Norwich .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 36, p. 292 .. .	Sheffield .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
No. 36, p. 292 .. .	Guernsey .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Station Values.— Corrections.																		
No. 37, p. 300 .. .	Markree .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	58·8	—	—
Station Values.— Additions.																		
No. 36, p. 292 .. .	Eastbourne .. .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
										</								

Sunday, 16th October, 1910.

Temperature and Weather.

7 a.m.

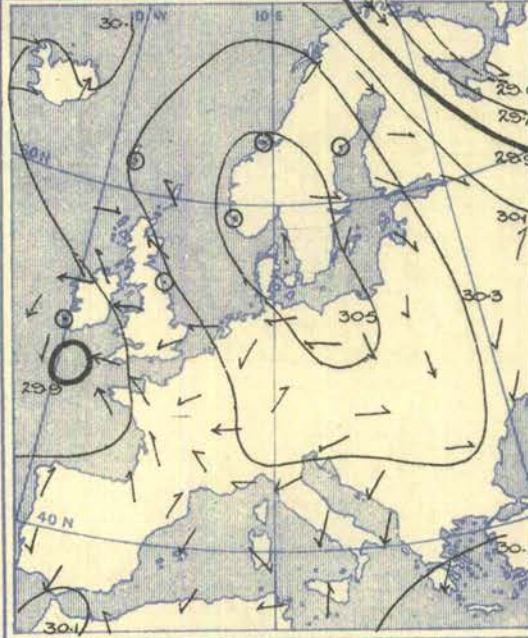


Weather in morning rainy in Brittany and at some places in the south-west of these Islands, and cloudy or overcast in some other regions, but fair to fine and bright generally. Some rain later in the west and south of the United Kingdom and in the north-west of France; about 0.5 in. in a few places, and 0.9 in. at Bath.

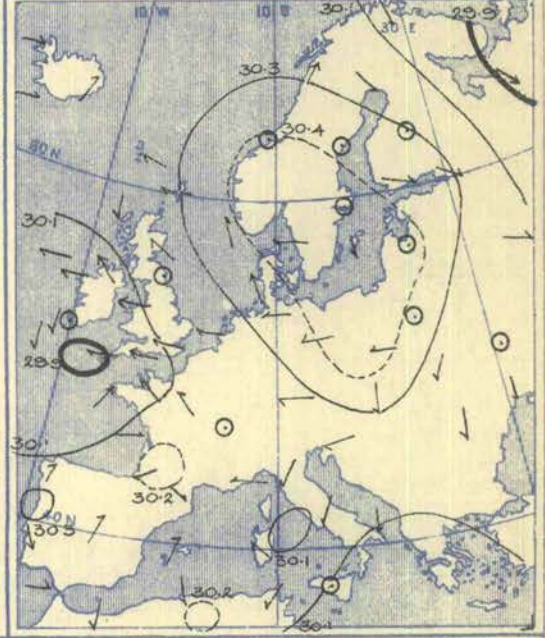
Temperature risen over the major portion of our area, but fallen in several localities. Morning readings ranging from 32° at Karlstad and Moscow, and below 40° over Russia generally, as well as in Austria and central Scotland, to 60° or above at nearly all stations on the shores of the Mediterranean, and to 70° at Brindisi. Maxima during day about 60° in various parts of these Islands, the Netherlands, the north of France, and at several stations in Germany, above 70° very generally in the far south of our area, and as high as 93° at Malta.

Barometer and Wind.

7 a.m.



6 p.m.



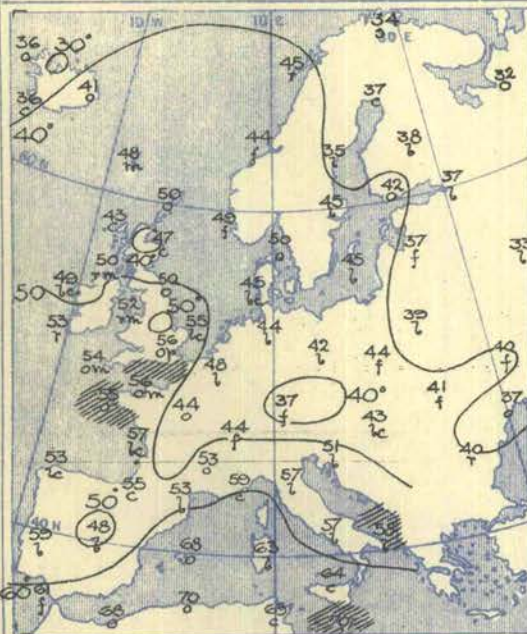
Wind in morning light or moderate from between East and South-East over the United Kingdom and its immediate neighbourhood, and light and rather variable over the Mediterranean. Mainly Northerly and North-Westerly and of little force over the eastern half of our area, but blowing a gale at Vardö. Little change taking place during day, but wind shifting to the South-Westward in Brittany. Gale subsiding at Vardö.

Barometer in morning below 30.0 ins. in a large depression of little depth off the south-west of these Islands, and below 29.6 ins. in a disturbance over the White Sea. Above 30.5 ins. in a large anticyclonic system having its central area covering a considerable portion of Scandinavia and extending to central Europe. South-western depression moving eastward and north-eastward later, and pressure giving way both in these Islands and within the anticyclonic system. Russian depression travelling away from our area.

Monday, 17th October, 1910.

Temperature and Weather.

7 a.m.

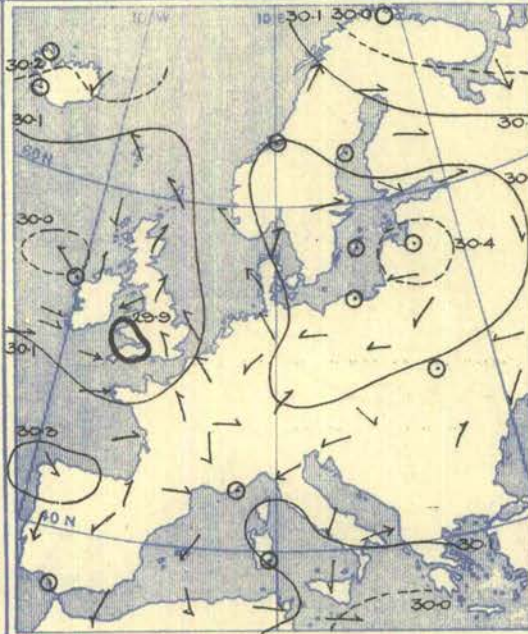


Weather in morning rainy or showery over a considerable portion of the United Kingdom. Mostly fair to fine elsewhere, but much fog prevailing over Germany and the Baltic, and rain falling at Bodø and Hermanstadt. Some rain experienced later over a large part of these Islands, and in a few localities on the Continent; about 0.5 in. at Castlebay and Belfort, and 0.4 in. at Bath.

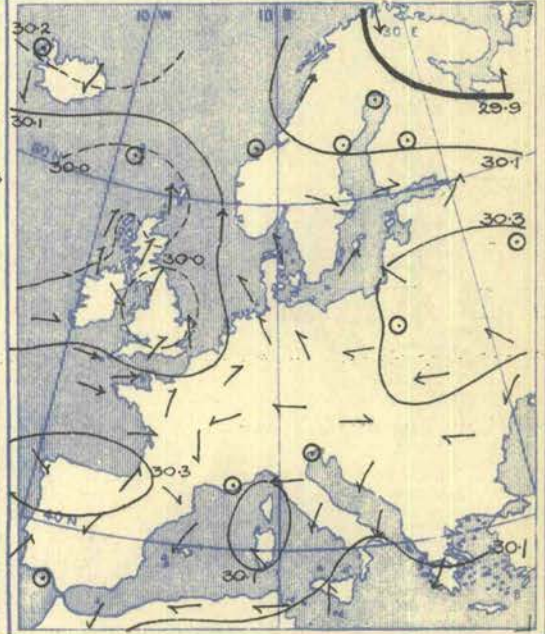
Temperature fallen over the major portion of our area, but risen in England and France. Readings in morning ranging from 32° at Archangel, and also at Nairn, to about 40° over large districts on the Continent, to about 55° in the south of England and the west of France, and to between 60° and 70° over the greater part of the Mediterranean. Thermometer rising to about 60° during day in several parts of England, the Netherlands, and the north of France, but remaining below that figure at many stations in central Europe, and also at Turin and Athens. Maxima between 70° and 80° on several shores of the Mediterranean.

Barometer and Wind.

7 a.m.



6 p.m.



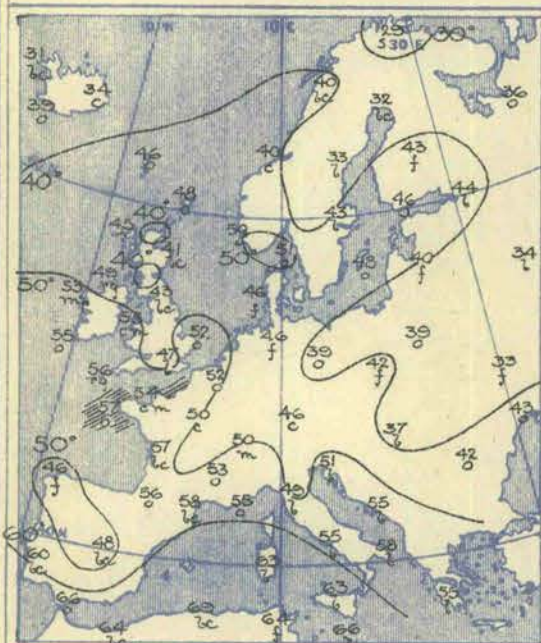
Wind in morning circulating cyclonically over the United Kingdom, but with little force; Westerly to Southerly current fresh on the south coast of England. Mainly anticyclonic over the eastern half of the Continent, Westerly in the extreme north, and from some Northerly point over the Mediterranean and Italy. No change of importance during day.

Barometer in morning above 30.4 ins. in an anticyclone centred over the Baltic Provinces of Russia, and relatively high in the north-west of Spain and in the north of Iceland. Below 29.9 ins. in a depression having its minimum over the Bristol Channel. Depression moving in a north-easterly direction later, but very little change taking place in the distribution of pressure as a whole. Barometer falling slightly on our north-west coasts.

Tuesday, 18th October, 1910.

Temperature and Weather.

7 a.m.



Weather in morning fair to fine and bright over the greater part of our area, but very cloudy or overcast at many of our own and the French stations, and rainy at Scilly and in Ireland. Rain falling later throughout the United Kingdom, the north of France, and the Netherlands; more than an inch at Leith, and about half-an-inch in several parts of England. A thunderstorm occurring at Holyhead.

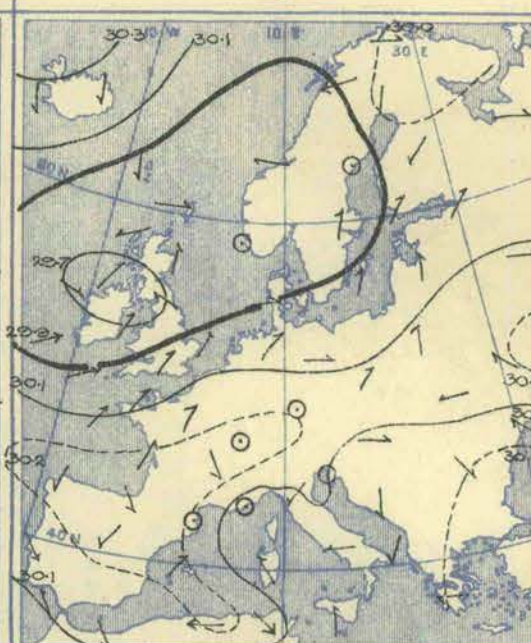
Temperature changed rather irregularly; fallen at most stations in the south, and risen over considerable areas in the north. Morning readings ranging from 68° at Palermo, and above 60° in the far south generally to below 50° over the main portion of our area, to below 40° over most of Russia, and to 25° and 26° respectively at Archangel and Vardö. Rising during day to 75° or higher at several places in the far south, but remaining below 70° in Italy, and below 60° over most of the mainland of the Continent and at the majority of our own stations.

Barometer and Wind.

7 a.m.



6 p.m.



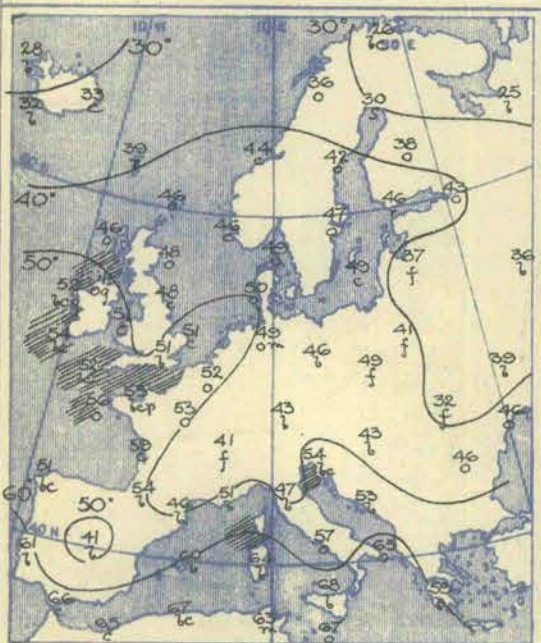
Wind in morning very light to moderate in force and rather variable in direction. Mainly between South and West over the United Kingdom, and Easterly in Norway and Iceland. Increasing greatly in force by evening on our west and south coasts; becoming high at Portland Bill. An Easterly breeze settling in over Scotland.

Barometer in morning above 30.3 ins. in the north of Spain, and also in Little Russia, and relatively high in a band over the intervening regions. Below 29.8 ins. in a depression beyond the north-west of Ireland, and rather lower in the extreme north of Russia. Atlantic depression moving eastward during day. Pressure giving way over these Islands and the greater part of the Continent, but rising over Iceland, and also over northern Russia.

Wednesday, 19th October, 1910.

Temperature and Weather.

7 a.m.

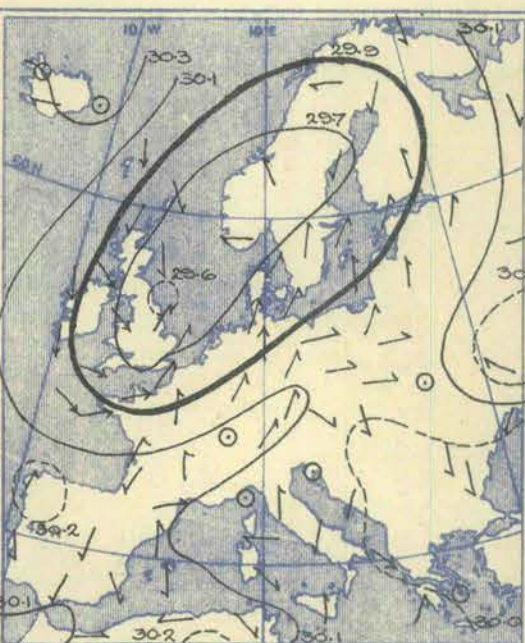


Weather in morning rainy at a few of our own stations and in the north of France; fair to very fine and bright over our area as a whole, but fog and mist prevalent in places. Rain later in these Islands and over a large portion of the Continent; about 0.5 in. in several localities, about an inch in the north of France and at Faerder. Thunder and lightning occurring at Dungeness and thunder at Paris.

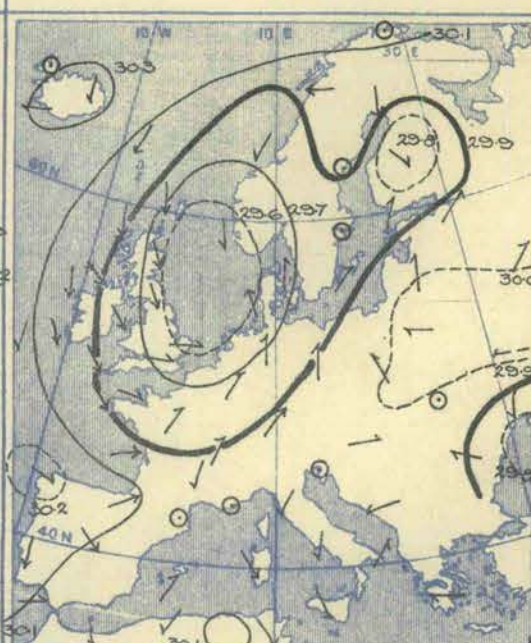
Temperature risen in central Europe, Sweden, and Scotland, fallen in many other regions. Readings ranging from about 65° at many places in the south to below 50° generally, to below 40° in the north-east, and to below 30° at Vardö and Archangel. Maxima during day below 60° in these Islands and over the greater portion of central Europe, but above 70° very generally in the extreme south, and nearly 80° at a few stations. Minima rather lower than during the preceding nights in most parts of this country.

Barometer and Wind.

7 a.m.



6 p.m.



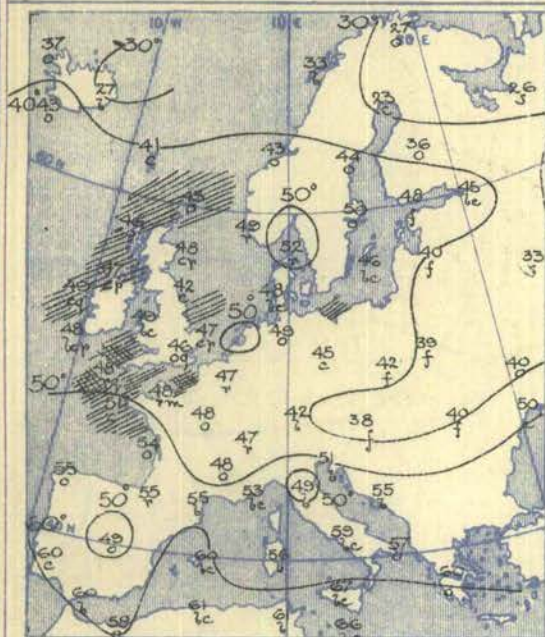
Wind in morning Northerly in the west and north of these Islands, Westerly in the south, and Southerly in the east; fresh to strong in force in many places. Light to gentle airs from various quarters in southern and eastern Europe. Increasing to a gale from the Northward or North-Westward later on some parts of our west and south-west coasts, and on the north coast of France.

Barometer in morning above 30.3 ins. in Iceland, and above 30.2 ins. in the north-west of Spain and also in Little Russia. Below 29.6 ins. in a large depression having its minimum off the north-east of England. Pressure increasing somewhat during day and night in the west and north-west of these Islands, and a fresh disturbance developing over the English Channel. Little change in the general distribution of pressure.

Thursday, 20th October, 1910.

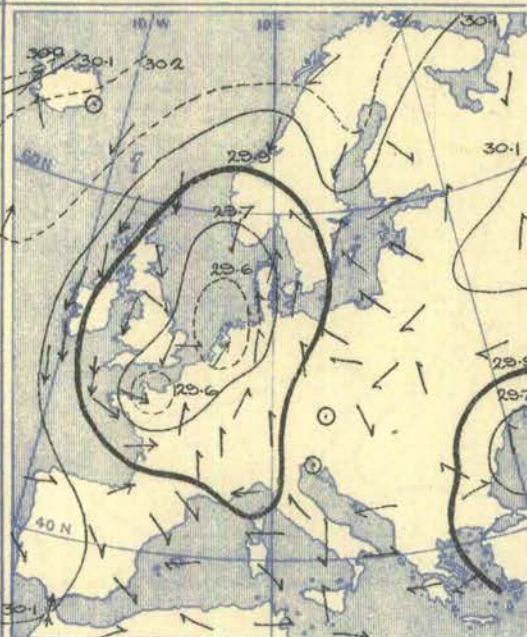
Temperature and Weather.

7 a.m.

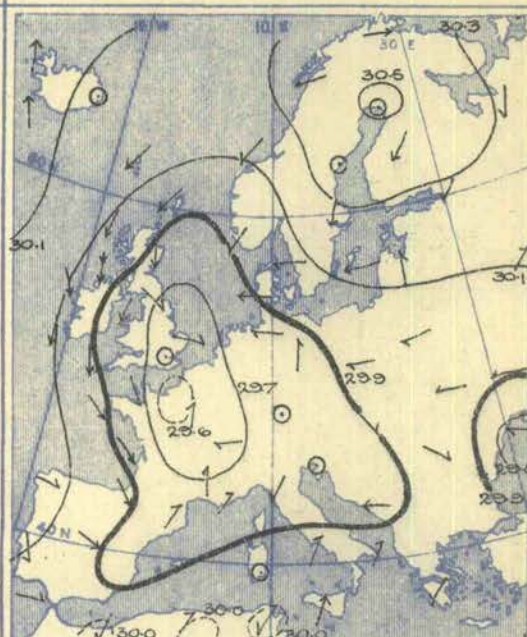


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy or showery at many stations in these Islands and over the nearer countries of the Continent. Snow falling at Archangel and Moscow, and a good deal of cloud prevalent in northern Europe generally. Fair to bright over the Mediterranean region; foggy in the central countries. Heavy rain later in some parts of the south-east of England with thunderstorms in places; as much as 1.6 in. at Dungeness and 2.4 ins. at Dover. Very large quantities in various parts of France and Switzerland; 3.6 ins. at Belfort, and 1.8 in. at Lugano.

Temperature fallen in most regions. Morning readings ranging from below 30° in the extreme north of Europe, and below 40° at some stations in the central countries to about 50° in the north of Italy and many parts of France, and to above 65° at a few localities in the far south of our area. Maxima during day below 55° in almost all parts of these Islands and over a wide area on the Continent as far south as Turin; thermometer rising to 82° at Tunis and to above 70° at many places on the shores of the Mediterranean.

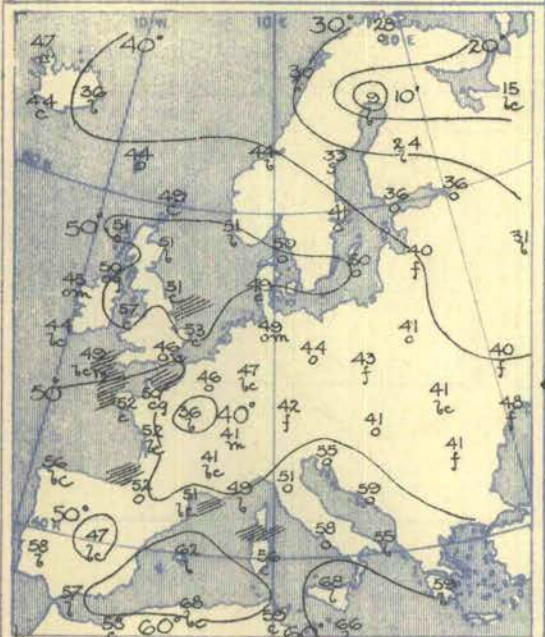
Wind in morning cyclonic over these Islands and their vicinity; Northerly current fresh to strong very generally in the west and south, and blowing a gale in places. Southerly current beyond the North Sea light or moderate. Mainly anticyclonic in the north and east of our area, and variable in the south. Not much change later except a decrease in force over the west and south of these Islands and over the Channel.

Barometer in morning below 29.6 ins. in a depression over the North Sea and in a smaller one centred near Havre; below 29.7 ins. in another disturbance in the south of Russia. Pressure above 30.2 ins. in the far north of the Continent and between Scotland and Iceland, and nearly as high in central Russia. Little modification occurring later in the general distribution of pressure. Depressions moving somewhat in a southerly direction.

Friday, 21st October, 1910.

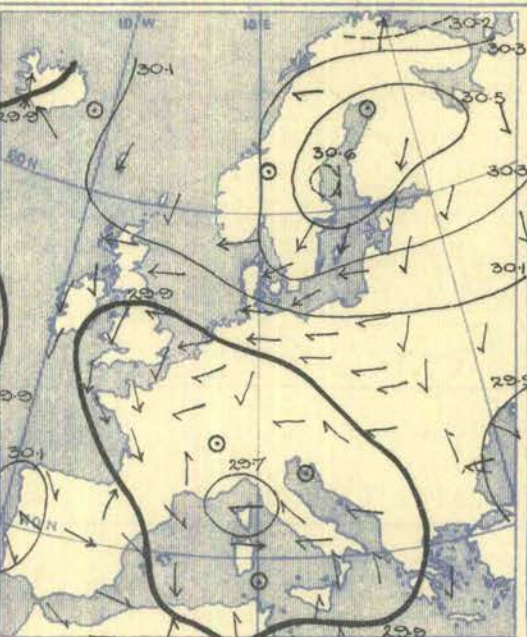
Temperature and Weather.

7 a.m.

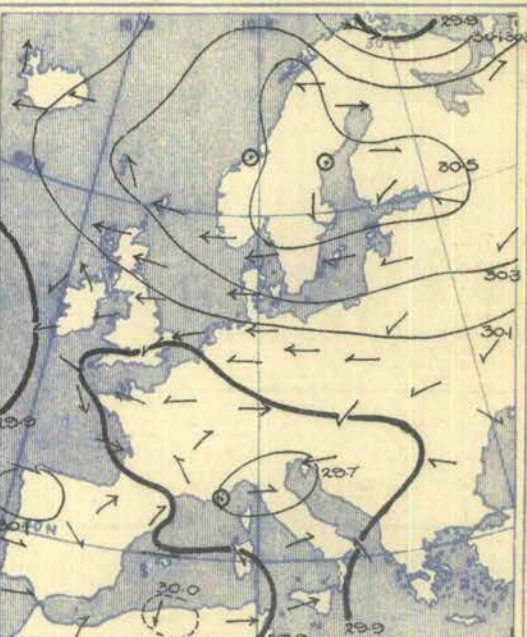


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over the greater portion of our area, but foggy at many stations in central Europe, and rain falling at Pembroke, on both shores of the Straits of Dover and in the north of Italy. Slight rain later in most parts of Great Britain, more than an inch at Biarritz, and more than 0.5 in. over a considerable portion of Italy; as much as 2.0 ins. at Lugano.

Temperature fallen in most regions, very decidedly in Finland and northern Russia. Morning readings as low as 9° at Haparanda and 15° at Archangel. Below 50° over the major portion of our area, but above 60° at many stations in the extreme south, and nearly 70° at Palermo and Algiers. Maxima during day 55° or slightly higher in many parts of these Islands, northern France, and in a few localities in central Europe, but thermometer only rising to 49° at Turin. Exceeding 70° at a few places in the far south, and touching 86° at Tunis.

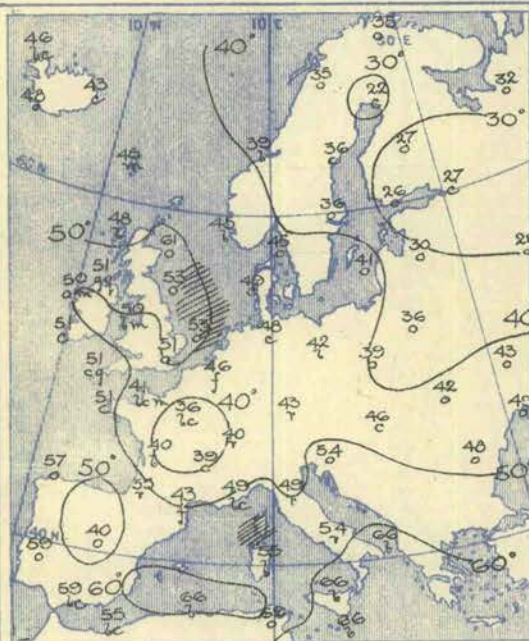
Wind in morning mainly anticyclonic in the northern half of our area and cyclonic in the southern half, as well as on the Atlantic to the west of Ireland and in Iceland. Northerly current fresh on our south-west coasts, but not much force as a whole. A gale from the Southward prevailing at Isafjord. No change of a general character later; gale subsiding at Isafjord, but a Westerly gale springing up at Vardö.

Barometer in morning above 30.5 ins. over Finland and its vicinity; below 29.7 ins. in a large depression having its minimum over the Gulf of Genoa. Northern anticyclonic system extending towards Scotland and Iceland during day, and pressure increasing over the major portion of the Continent. Southern depression undergoing some modification in form, but maintaining the same intensity. Pressure decreasing a little on the west coast of Ireland.

Saturday, 22nd October, 1910.

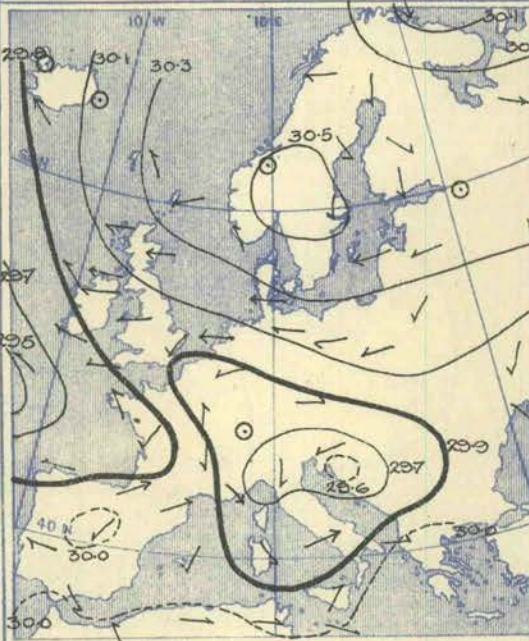
Temperature and Weather.

7 a.m.

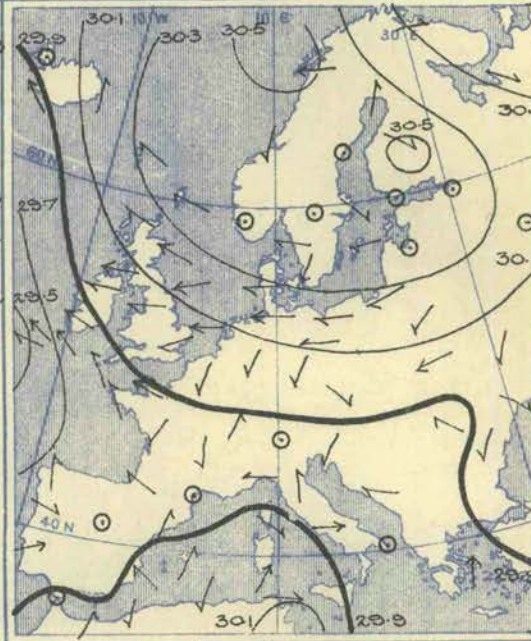


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright in some localities, but much cloud prevailing generally, with rain at Leith, Swinemünde, and Munich, as well as at a few French and Italian stations. A little rain later in some parts of Great Britain and rather heavier amounts in the north of Italy and on the eastern shores of the Adriatic.

Temperature risen in the far north of our area, fallen at most stations in the south, changed rather irregularly elsewhere. Morning readings ranging from below 30° in a large district in Russia and Finland to about 40° in the eastern departments of France and also in Poland, and to above 60° on some shores of the Mediterranean. Maxima not reaching 40° in the northern parts of the Continent, and scarcely exceeding 55° in these Islands and France, but rising above 65° in the southern regions and touching 82° on the Algerian coasts.

Wind in morning showing a vast anticyclonic movement over the northern regions of Europe, and a cyclonic circulation over Italy and the surrounding regions, as well as on the Atlantic beyond Ireland. Easterly current strong at Copenhagen and on some parts of our north and north-west coasts, but little force over our area as a whole. Very little change either in direction or force taking place during day, but cyclonic system over Italy becoming less pronounced.

Barometer in morning above 30.5 ins. in a large high pressure system having its maximum over southern Scandinavia; below 29.7 ins. in a depression having its centre near Trieste, and still lower some distance to the westward of Ireland. Position of high pressure in the north and of the depression to the westward of these Islands remaining unchanged, but the low pressure in the vicinity of northern Italy filling up and almost entirely disappearing.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Oct. 16th, 10.9 a.m. to 11.30 a.m.	Brighton, 115 m.	Temperature Humidity Wind ..	286.8° 80% 110°, 8	284° 80% 110°, 11	281° 80% 130°, 8.9					279.8° 88% 170°, 8.9	Metres. 840 { Thin Alt. St. and Alt. Cu.; Clear- ing off later.
2	Oct. 19th, 10.45 a.m. to 12.0 noon.	Brighton, 115 m.	Temperature Humidity Wind ..	284.2° 88% 200°, 3.6	283.5° 83% 260°, 10	279.2° 83% 260°, 10	277.5° 75% 260°, 10					{ Storm Cu. over land, Strato-Cu. over Sea. Humidity 100% at cloud level (560 m.)

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2
No. of Kites ..	2	1
Area of Surface (sq. metres) ..	10	7
Length of Wire (metres) ..	1,500	1,500

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 345

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. }
Vol. XXVII. (New Series.)

No. 43. FORTY-THIRD WEEK, SUNDAY, OCTOBER 23RD, TO SATURDAY, OCTOBER 29TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather although mostly very cloudy or overcast was fairly dry in all but the south-western portions of the United Kingdom, where rain was frequent, and occasionally heavy. Lightning was observed on the 23rd at Rothamsted, and on the 29th at Raunds. A bright aurora was seen on the 23rd at Gordon Castle.

Temperature was above the average, the excess being greatest, about 4°, in England S.E., and over Ireland. The highest of the maxima were recorded at times varying greatly in different localities, and ranged from 67° in the English Channel, and 62° in England S.E. to 55° in Scotland E. The lowest of the minima, which were registered at most stations either on the 23rd or 24th, varied from 32° in Scotland E., and 34° in Scotland N., to 44° in Ireland S. Generally the nights were mild for the time of year. The lowest of the minima recorded on the grass were 27° at West Linton, 28° at Markree Castle and Llangammarch Wells, 30° at Aspatria and Kew, and 31° at Southport and Greenwich.

Mean Temperature of the Sea. On most parts of the coast the water was warmer than during the corresponding week of last year, the greatest difference being 5° at Kirkwall. The mean for the week ranged from 56° at Newquay and Shipwash to 50° at Lerwick, Kirkwall, Pennan Bay and Bournemouth, and to 49° at Ballantrae.

Rainfall was less than the average except in the English Channel, the fall being very slight in Scotland N. and W., England N.W. and Ireland N. Rather more than an inch was measured at Plymouth, Falmouth and Guernsey on the 27th.

Bright Sunshine was less than the average in all districts. The percentage of the possible duration was below 10 in many districts, and only between 3 and 5 in the east of Great Britain. The most sunny districts were Scotland N., England S. and the English Channel, where the percentage ranged between 21 and 25.

Barometer and Wind.—The pressure distribution was north-easterly to south-easterly throughout the week, the main anticyclonic system lying over Scandinavia and Northern Europe generally, and the chief depression over the Bay of Biscay and off the south-west of these islands. Towards the end of the week the barometer had given way over Scandinavia, while the south-western depression had encroached over this country, and a small secondary had developed over the south-east quarter of England. A fresh high pressure system appeared over Iceland on Saturday, and began at once to extend south-eastwards towards Scotland. The Easterly wind current blew a fresh or strong breeze at times on several exposed parts of the coast, and reached the force of a gale on some parts of the Channel on Thursday.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 324.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Very light	Light	Very light	Light	Moderate	Moderate	Very light	Very light	Moderate	Very light	Moderate	Moderate
	Sunshine ...	Moderate	Very scanty	Very scanty	Very scanty	Very scanty	Scanty	Very scanty	Scanty	Scanty	Very scanty	Very scanty	Scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 8 weeks from Sept. 4th, 1910.	Warmth ...	2 * 0	2 * 1	5 * 3	5 * 2	3 * 2	4 * 3	3 * 0	3 * 3	3 * 2	4 * 1	3 * 2	3 * 2
	Rainfall ...	0 * 7	1 * 7	0 * 6	1 * 5	1 * 3	2 * 4	0 * 5	1 * 7	1 * 5	0 * 6	0 * 5	1 * 4
	Sunshine ...	3 * 1	3 * 3	2 * 4	0 * 5	0 * 5	2 * 5	3 * 3	3 * 2	3 * 4	2 * 3	0 * 3	1 * 4

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

DISTRICTS. (See Frontispiece map.)		FORTY-THIRD WEEK—October 23rd to October 29th, 1910.																	
		Temperature.										Rainfall.				Sunshine.			
		Means of					Accumulated Number of Day-Degrees.					Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
		Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH		58	34	51.7	43.1	47.3	+ 2.4	Day-deg. 37	Day-deg. + 7	Day-deg. 0	Day-deg. - 11	3	- 2	Inches. 0.10	Inches. -1.09	14	- 3	% 21	% - 4
Eastern																			
1. SCOTLAND, EAST		55	32	50.6	42.9	46.6	+ 2.7	32	0	0	- 14	5	+ 1	0.29	- 0.39	3	- 15	4	- 23
2. ENGLAND, N.E.		61	40	52.5	46.5	49.4	+ 3.0	52	+ 14	0	- 6	3	- 1	0.19	- 0.54	2	- 16	3	- 24
3. ENGLAND, EAST		60	38	53.9	47.2	50.5	+ 3.4	60	+ 16	0	- 7	3	- 1	0.25	- 0.37	3	- 18	5	- 25
4. MIDLAND COUNTIES		59	39	52.0	45.3	48.5	+ 2.4	46	+ 6	0	- 9	4	0	0.47	- 0.18	3	- 15	4	- 22
5. ENGLAND, S.E.		62	40	56.8	48.4	52.5	+ 3.9	74	+ 22	0	- 5	3	- 1	0.51	- 0.26	16	- 6	22	- 8
Western																			
6. SCOTLAND, WEST		57	37	53.2	44.3	48.6	+ 2.5	46	+ 8	0	- 8	1	- 3	0.01	- 1.10	4	- 13	6	- 19
7. ENGLAND, N.W.		58	37	52.8	45.9	49.2	+ 2.0	50	+ 7	0	- 5	2	- 2	0.16	- 0.70	9	- 9	13	- 13
8. ENGLAND, S.W.		61	42	55.6	48.7	52.0	+ 3.2	70	+ 18	0	- 4	4	0	0.84	- 0.19	13	- 7	19	- 10
9. IRELAND, NORTH		57	43	53.5	47.8	50.6	+ 4.0	60	+ 20	0	- 6	1	- 4	0.06	- 0.79	8	- 11	12	- 17
10. IRELAND, SOUTH		61	44	54.7	49.3	52.0	+ 3.9	70	+ 21	0	- 5	5	+ 1	0.82	- 0.07	6	- 15	9	- 21
11. ENGLISH CHANNEL		67	41	58.6	50.4	54.4	+ 2.1	87	+ 15	0	0	6	+ 1	1.24	+ 0.32	18	- 7	25	- 9
		THE SEASON (Autumn).—Aggregates, &c., for the Period of 8 Weeks, September 4th to October 29th, 1910.																	
0. SCOTLAND, NORTH		68	29	*	*	*	*	465	+ 39	10	- 22	30	- 9	2.89	- 6.24	1788	+ 14	28	+ 2
Eastern																			
1. SCOTLAND, EAST		72	29	*	*	*	*	477	+ 20	11	- 29	21	- 11	2.71	- 2.30	188	- 4	29	0
2. ENGLAND, N.E.		74	34	*	*	*	*	599	+ 61	0	- 16	20	- 9	2.60	- 1.87	182	- 31	28	- 5
3. ENGLAND, EAST		75	36	*	*	*	*	685	+ 70	0	- 20	21	- 7	2.63	- 1.67	178	- 58	27	- 9
4. MIDLAND COUNTIES		76	33	*	*	*	*	581	+ 20	0	- 27	20	- 8	3.03	- 1.46	153	- 56	24	- 9
5. ENGLAND, S.E.		74	32	*	*	*	*	710	+ 30	0	- 13	20	- 7	3.86	- 1.16	214	- 27	33	- 4
Western																			
6. SCOTLAND, WEST		69	31	*	*	*	*	544	+ 39	0	- 22	20	- 12	3.10	- 5.13	197	+ 1	30	0
7. ENGLAND, N.W.		73	31	*	*	*	*	583	+ 11	0	- 11	19	- 11	2.76	- 3.57	203	+ 4	31	+ 1
8. ENGLAND, S.W.		71	27	*	*	*	*	658	+ 15	0	- 9	22	- 9	5.24	- 1.69	226	- 3	35	- 1
9. IRELAND, NORTH		69	34	*	*	*	*	573	+ 44	0	- 14	20	- 16	2.43	- 3.98	184	- 3	28	- 1
10. IRELAND, SOUTH		70	35	*	*	*	*	623	+ 25	0	- 12	27	- 4	3.47	- 2.61	179	- 40	28	- 6
11. ENGLISH CHANNEL		74	39	*	*	*	*	820	+ 12	0	0	25	- 9	6.37	+ 0.41	271	- 11	42	- 2
		THE YEAR.—Aggregates, &c., for the Period of 43 Weeks, January 2nd to October 29th, 1910.																	
0. SCOTLAND, NORTH		82	2	*	*	*	*	2071	+ 31	605	+ 16	193	- 6	37.79	- 2.75	11128	+ 64	28	+ 2
Eastern																			
1. SCOTLAND, EAST		80	-10	*	*	*	*	2159	- 68	647	- 13	165	0	25.43	+ 0.85	1216	- 28	31	- 1
2. ENGLAND, N.E.		81	6	*	*	*	*	2627	+ 139	454	- 37	154	+ 5	19.36	- 0.57	1235	- 113	32	- 3
3. ENGLAND, EAST		83	17	*	*	*	*	2986	+ 111	393	- 148	156	+ 12	19.75	+ 0.54	1356	- 108	35	- 3
4. MIDLAND COUNTIES		83	10	*	*	*	*	2816	+ 19	474	- 86	155	+ 12	21.85	+ 0.60	1226	- 81	32	- 2
5. ENGLAND, S.E.		81	13	*	*	*	*	3071	- 28	294	- 190	154	+ 17	23.04	+ 1.91	1405	- 79	36	- 2
Western																			
6. SCOTLAND, WEST		81	0	*	*	*	*	2506	+ 98	432	- 15	172	0	36.28	- 0.80	1274	- 3	32	0
7. ENGLAND, N.W.		81	7	*	*	*	*	2665	+ 26	338	- 59	173	+ 15	29.35	+ 1.81	1346	+ 49	35	+ 1
8. ENGLAND, S.W.		81	8	*	*	*	*	2882	- 53	242	- 68	167	+ 11	32.46	+ 2.88	1424	- 23	37	- 1
9. IRELAND, NORTH		79	7	*	*	*	*	2551	+ 35	351	- 8	188	0	31.72	+ 1.45	1179	+ 1	30	0
10. IRELAND, SOUTH		79	18	*	*	*	*	2894	+ 10	258	- 13	198	+ 32	33.87	+ 2.61	1243	- 79	32	- 2
11. ENGLISH CHANNEL		79	28	*	*	*	*	3345	- 49	54	- 55	167	0	28.84	+ 4.20	1620	- 139	42	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 ‡ The corresponding value for Report No. 38 slightly altered owing to the receipt of further information.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.						Rainfall.			Bright Sunshine.					NAMES OF STATIONS.			
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.		Difference from Average.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.											Ins.	Ins.	Hrs.	Hrs.	%	%
0. SCOTLAND, N.	a, Islands.	p Baltasound	51	26th	40	28th	49.7	42.7	46.1	29	0	3	0.12	—	3.0	—	5	—	Baltasound.	
		a Sunburgh Head	51	27th	34	26th	49.6	42.0	45.7	26	0	4	0.21	— 0.75	9.8	— 6.7	15	— 10	Deerness.	
		a Stornoway	55	23rd	37	26th	53.0	42.1	47.4	38	0	1	0.03	— 1.30	22.1	— 5.1	34	— 8	Stornoway.	
		a Castlebay, Barra Isd.	54	23rd	47	26th, 29th	52.4	48.0	50.1	57	0	0	0.00	—	12.0	—	18	—	Castlebay.	
		a Wick	53	24th	44	29th	51.6	46.6	49.0	49	0	6	0.24	— 0.48	—	—	—	—	Strathpeffer.	
	b, Main-land.	p Strathpeffer	55	26th	37	29th	49.8	41.5	45.5	27	1	1	0.05	— 2.08	—	—	—	—		
		p Glencarron	57	26th	34	26th	52.8	43.1	47.8	41	0	2	0.03	— 0.94	9.3	— 3.1	14	— 5	Fort Augustus.	
		p Fort Augustus	58	23rd	38	26th	53.2	43.5	48.2	43	0	1	0.02	— 1.75	—	—	—	—		
		p Fort William	58	23rd	38	26th	53.2	43.5	48.2	43	0	1	0.02	— 1.75	—	—	—	—		
		p Gordon Castle	55	25th	36	26th, 29th	51.7	39.1	45.2	0.0	35	8	6	0.30	— 0.47	8.7	—	13	—	Gordon Castle.
1. SCOTLAND, E.		a Nairn	54	25th	32	24th, 25th	51.0	39.7	45.2	0.3	32	6	3	0.23	— 0.30	5.0	—	8	—	Nairn.
		a Aberdeen	53	24th, 26th	46	24th	51.9	47.4	49.6	4.1	53	0	6	0.18	— 0.49	5.1	— 15.2	8	— 23	Aberdeen.
		a Balmoral	52	27th	39	24th	49.6	41.3	45.3	3.8	26	2	7	0.78	— 0.10	1.9	—	3	—	Crathes S.
		p Crieff	52	23rd	41	29th	49.9	44.0	46.9	1.6	34	0	4	0.30	— 0.62	1.5	—	2	—	Balruidery.
		a Leith	54	23rd, 25th	42	26th	52.7	46.1	49.3	2.4	51	0	5	0.09	— 0.38	—	—	—	—	Edinburgh.
		a West Linton	51	23rd	36	26th	48.6	41.6	45.0	1.4	23	1	4	0.16	—	5.5	—	8	—	West Linton.
		p Marchmont	50	23, 24, 26, 27	40	29th	49.1	45.7	46.3	2.2	30	0	4	0.26	— 0.57	0.3	— 12.2	0	— 18	Marchmont.
		a Alnwick Castle	52	23rd	44	24th, 26th	50.7	46.3	48.4	2.6	45	0	4	0.16	— 0.69	0.5	—	1	—	Cockle Park.
		a Shields	53	23rd, 24th	46	29th	52.0	47.7	49.8	3.0	55	0	4	0.12	— 0.56	0.0	— 14.0	0	— 21	Newcastle.
		p Durham	52	23rd	42	29th	49.7	45.2	47.4	1.9	38	0	4	0.30	— 0.42	0.6	— 17.8	1	— 26	Durham.
2. ENGLAND, N.E.	a, North.	p Rounton	56	23rd	41	23rd	51.2	44.0	47.5	2.6	39	0	2	0.13	— 0.55	—	—	—	—	
		p Scarborough	61	26th	44	25th	58.4	48.0	53.1	5.7	78	0	2	0.18	— 0.57	3.8	—	6	—	Scarborough.
		p York	56	23rd	40	29th	53.3	48.4	49.2	2.7	50	0	2	0.23	— 0.35	4.8	— 12.2	7	— 18	York.
	b, South.	a Spurn Head	55	26th	47	29th	52.9	49.1	50.9	2.5	62	0	2	0.16	— 0.37	—	—	—	—	
		a Lincoln	55	25th	45	23rd, 27th	52.4	46.3	49.3	2.7	51	0	3	0.21	— 0.34	2.2	—	3	—	Skegness.
		a Fulbeck	55	23rd, 27th	42	23rd	52.8	46.3	48.9	2.6	48	0	3	0.24	— 0.31	2.3	—	3	—	Rauceby.
		p Cromer	53	25, 26, 28, 29	44	29th	52.4	47.1	49.7	2.4	54	0	3	0.09	—	0.4	—	1	—	Lowestoft.
		p Hillington	55	25th	39	23rd	52.8	44.4	48.5	1.7	46	0	3	0.16	— 0.52	1.6	— 17.7	2	— 26	Cromer.
	a, North.	a Yarmouth	57	28th	47	28th, 29th	53.3	49.1	51.1	3.1	64	0	2	0.22	— 0.46	3.9	—	6	—	Hillington.
		a Norwich	64	25, 26, 28th	45	28th, 29th	52.4	47.3	49.8	3.4	55	0	3	0.26	—	—	—	—	—	Yarmouth.
3. ENGLAND, E.		p Geldeston	59	28th	42	29th	53.9	45.5	50.6	2.9	60	0	3	0.17	— 0.48	3.1	— 18.5	5	— 27	Geldeston.
		p Cambridge	57	25, 26, 28th	40	23rd, 28th	54.1	45.4	49.6	2.5	53	0	2	0.36	— 0.17	1.4	— 20.0	2	— 29	Cambridge.
		a Felixstowe	60	28th	47	29th	55.6	50.7	53.1	4.2	78	0	4	0.50	—	6.2	—	9	—	Felixstowe.
	b, South.	a Clacton-on-Sea	60	28th	49	28th, 29th	56.1	51.0	53.5	4.6	81	0	3	0.20	—	6.5	—	9	—	Clacton.
		a Rothamsted	58	26th, 28th	38	23rd	54.1	46.4	49.6	3.5	53	0	4	0.46	— 0.21	4.6	— 17.1	7	— 24	Rothamsted.
		a Shoburyness	60	28th	45	29th	55.9	49.3	52.5	3.3	74	0	3	0.38	— 0.08	12.9	—	18	—	Southend.
		p Tottenham	60	28th	42	23rd	56.4	47.8	52.0	4.3	70	0	3	0.33	—	5.8	—	8	—	Tottenham.
		a Harrogate	52	23rd	42	27th	49.5	44.8	47.1	1.7	36	0	4	0.40	— 0.34	3.3	—	5	—	Harrogate.
		a Bawtry	59	28th	39	23rd, 28th	53.9	43.0	48.3	2.3	44	0	2	0.18	— 0.34	0.9	— 16.2	1	— 24	Workop.
	a, East.	p Buxton	51	29th	43	28th	48.4	44.2	46.2	2.5	29	0	1	0.04	— 1.19	3.6	—	5	—	Buxton.
4. MIDLAND COUNTIES.		a Nottingham	54	25th	39	23rd	51.7	45.1	48.3	1.6	44	0	2	0.20	— 0.33	3.1	—	5	—	Nottingham.
		p Birmingham, Edgbn	55	26th	43	28th	50.9	45.7	48.2	1.7	43	0	3	0.32	— 0.28	0.0	—	0	—	Birmingham.
		a Ratons	57	26th	40	23rd	52.7	41.7	48.6	2.1	46	0	4	0.33	—	—	—	—	—	
		a Ramdons	59	26th	43	23rd	53.0	46.0	49.4	2.2	52	0	4	0.63	— 0.03	6.4	— 14.0	9	— 20	Oxford.
	b, West.	a Oxford	51	29th	41	26th	49.6	43.8	46.6	1.4	32	0	3	0.19	— 0.51	1.0	—	2	—	Sheffield.
		a Chaddle	53	26th	44	28th	51.0	46.3	48.6	1.7	46	0	3	0.46	—	—	—	—	—	
		p Shrewsbury	55	26th	41	24th	50.6	45.0	47.7	0.7	40	0	4	0.74	— 0.15	—	—	—	—	
		a Hereford	54	23rd, 26th	43	23rd, 24th	51.6	44.8	48.1	2.4	43	0	4	0.46	— 0.22	5.1	— 15.3	7	— 22	Cirencester.
		a Cirencester	54	26th, 26th	45	23rd, 24th	54.7	47.6	51.1	2.9	64	0	5	0.93	— 0.26	2.7	—	4	—	Bath.
		a Bath	58	25th, 26th	45	23rd, 24th	54.7	47.6	51.1	2.9	64	0	5	0.93	— 0.26	2.7	—	4	—	Ramsgate.
5. ENGLAND, S.E.		p Kew	61	28th	40	23rd	56.0	47.4	51.6	4.1	67	0	3	0.44	— 0.16	7.6	— 11.1	11	— 16	Kew.
		a Marlborough	59	26th	42	25th, 29th	54.1	45.6	49.7	4.1	54	0	2	0.51	— 0.26	5.8	— 13.9	8	— 20	Marlborough.
		a Margate	61	25th, 28th	48	24th, 28th	58.2	50.2	54.1	4.7	85	0	2	0.23	— 0.40	19.4	— 2.4	28	— 3	Margate.
		a Wisley, Surrey	61	28th	40	23rd	56.0	46.3	51.0	2.7	63	0	2	0.40	—	14.3	—	20	—	Wisley.
		a Swartrange	59	26th, 28th	41	23rd	56.0	46.4	51.1	4.6	64	0	2	0.60	— 0.11	22.3	—	32	—	Worthing.
		a Tunbridge Wells	60	26th, 29th	49	24th, 25th	57.3	50.9	54.0	3.8	84	0	4	0.24	— 0.45	23.9	—	34	—	Tunbridge Wells.
		a Dungeness	59	26, 28, 29th	48	23rd, 24th	56.6	49.7	53.1	3.2	78	0	3	0.40	— 0.43	20.2	— 5.1	29	— 6	Dungeness.
		p Hastings	59	26, 28, 29th	48	23rd, 24th	56.6	49.7	53.1	3.2	78	0	3	0.40	— 0.43	20.2	— 5.1			

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	46.6	—	Harrogate	0	35	49.6	50.4	6. Dumfries	0	36	48.9	52.1
1. Aberdeen	—	—	—	45.6	Huddersfield	0	43	49.5	51.6	Douglas	0	46	—	—
Crathes	1	29	48.9	50.3	Buxton	0	40	48.5	50.9	Aspatia	1	30	47.9	50.7
Balmoral	0	36	—	—	Sheffield	0	35	49.7	51.8	Newton Rigg	0	35	49.5	50.9
West Linton	2	27	—	—	Nottingham	0	39	49.3	52.4	Burnley	0	40	48.5	51.0
Marchmont	0	38	47.7	—	Birmingham	0	40	48.4	51.0	Southport	0	31	48.8	51.7
Cockle Park	0	33	47.7	49.4	Oxford	0	—	—	—	Manchester City	0	41	49.6	53.3
Durham	0	37	—	—	Hereford	0	40	—	—	Bettws-y-Coed	0	41	48.6	51.0
York	—	—	51.3	53.1	Cirencester	0	39	50.7	52.4	Llangammarch Wells	1	29	49.6	52.2
Hull	0	37	50.0	52.3	Bath	—	—	52.7	55.1	Cardiff	0	41	50.4	53.1
Lincoln	—	—	50.2	51.9	Margate	0	45	52.8	54.1	Clifton	0	36	—	—
Raunceby	0	35	50.5	53.1	Greenwich	0	31	—	—	Plymouth	0	37	53.1	—
Norwich	0	38	—	—	Westminster	0	40	—	—	9. Armagh	0	40	50.9	52.6
Yarmouth	—	—	51.7	54.9	Kew	1	30	51.4	53.9	Markree	1	28	51.4	53.5
Lowestoft	0	39	52.6	54.8	Canterbury	0	38	51.5	54.1	10. Dublin, Trin. Coll. ..	0	35	51.8	52.7
Cambridge	0	35	51.2	53.9	Tunbridge Wells	—	—	—	—	11. Guernsey, Brooklyn	0	41	54.1	56.4
Clacton-on-Sea	0	36	53.5	55.4	Wisley	0	36	51.0	53.9					
Southend	0	46	54.0	—	Worthing	0	38	52.5	55.3					
Tottenham	0	34	—	56.4	Portsmouth	0	45	52.9	55.0					
					6. Glasgow	0	35	—	—					
					Rothersey	—	—	—	50.3					
					Colmonell	0	33	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	50	49	49.9	SCOTLAND, W.	Lamlash	54	51	52.8
	Kirkwall	50	50	50.0		Ballantrae	49	48	48.7
	Wick	52	49	50.6	ENGLAND, N.W.	Port Erin	54	52	52.4
SCOTLAND, E.	Cromarty	51	46	50.1		Newquay	56	56	56.0
	Pennan Bay	53	52	52.2	ENGLAND, S.W.	Scilly	55	53	53.8
ENGLAND, N.E.	Aberdeen, Cove Bay	50	49	49.8		Plymouth	56	50	53.6
	Burnmouth, Berwick	53	50	51.9		Salcombe	56	50	54.6
ENGLAND, E.	Scarborough	56	55	55.7	IRELAND, N.W.	Sheephaven	53	52	52.6
	Shipwash Lightship	54	54	54.0		Teelin	54	50	52.8
ENGLAND, S.E.	Margate	—	—	—	IRELAND, S.W.	Cleggan	52	50	51.0
	Eastbourne	—	—	—		Seafield	54	50	51.7
					IRELAND, E.		—	—	—

* Only one observation each day.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

		Wind Direction (in Degrees, 90° = E, 180° = S, 270° = W, 360° = N) and Velocity, Metres per Second.																					
No.	Date, 1910.	Station.	Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.	7,000 metres.	8,000 metres.	9,000 metres.	10,000 metres.	11,000 metres.	12,000 metres.	13,000 metres.	
1	Oct. 5th, 11.10 a.m.	Pyrton Hill, Oxon. 150 m.	335°, 4.3	345°, 4.6	345°, 3.5																		
2	Oct. 7th, 3.18 p.m.	Pyrton Hill, Oxon. 150 m.	80°, 4.5	65°, 5.0	85°, 7.0																		
3	Oct. 19th, 11.42 a.m.	Pyrton Hill, Oxon. 150 m.	270°, 5.4	285°, 6.4	300°, 9.7	310°, 11.0																	
4	Oct. 20th, 3.31 p.m.	Pyrton Hill, Oxon. 150 m.	340°, 5.6	0°, 10.0	0°, 13.0	10°, 11.5	25°, 11.5																
5	Oct. 21st, 3.50 p.m.	Pyrton Hill, Oxon. 150 m.	40°, 3.4	50°, 9.5	67°, 11.7																		

NOTES.—No. 1. Two theodolites. Wind direction 80°, velocity 1.1, at 750 m. Fleecy cu. and ci. Lost in cu.
 No. 2. Two theodolites. Clear sky. Some cu. earlier in day.
 No. 3. Two theodolites for first 500 m. above ground level. Cu. and ci—cu. clouds. The balloon frequently passed through the cu. and was finally lost in it.
 No. 4. Two theodolites for first 700 m. above ground. Little cu. and ci—cu. Finally lost in haze.
 No. 5. Two theodolites for first 650 m. above ground. Sky nearly overcast with alto-cu.

REGISTERING BALLOON ASCENTS.
PYRTON HILL, October 5th and 6th, 1910.

October 5th. 4.40 p.m.						October 6th. 6.55 a.m.					
Height Km.	Pressure. Mgd.	Temperature. A°.	Height. Km.	Pressure. Mgd.	Temperature. A°.	Height. Km.	Pressure. Mgd.	Temperature. A°.	Height. Km.	Pressure. Mgd.	Temperature. A°.
Ground	1.013	289	6.5	464	258.5	Ground	1.013	282.5	7.5	405	249.5
0.5	.972	288	7.0	436	255	0.5	.971	284	8.0	377	246
1.0	.916	286				1.0	.915	281.5	8.5	352	243
1.5	.862	285.5	7.5	407	251	1.5	.861	286	9.0	329	238.5
2.0	.812	285	8.0	380	247	2.0	.811	284	9.5	304	234
			8.5	354	242						
2.5	.764	282.5	9.0	329	239	2.5	.764	281	10.0	283	229.5
3.0	.720	280	9.5	304	235	3.0	.720	278	11.0	244	221
3.5	.678	277				3.5	.678	275.5	12.0	209	214
4.0	.638	273.5	10.0	283	230	4.0	.638	273	13.0	177	207
4.5	.599	271	11.0	244	221	4.5	.598	271.5	14.0	151	207
			12.0	208	214						
5.0	.563	268	13.0	177	207	5.0	.563	268	15.0	128	203
5.5	.529	265	14.0	151	207	5.5	.529	265	16.0	108	203.5
6.0	.496	261.5	15.0	128	207	6.0	.496	261	17.0	90.2	209
						6.5	.464	257			
						7.0	.435	253			

Lost quickly in haze. A few cirrus moving slowly from N.E. Balloon fell near Andover, distant 53 km. direction 230°. Mean Temperature Gradient (Ground to 13 km.) 61° per 100 metres. Lowest temperature 206.5 at 13.2 km. Inversion of 15° at 1.1 km. Very good distinct trace.
 Light N. wind, thick fog. Balloon fell near Basingstoke distant 43 km. direction 190°. Mean Temperature Gradient (Ground to 13 km.) 58 per 100 metres. Lowest temperature 206° at 13.2. Inversion of 5° at 1.15 very good distinct trace.

Sunday, 23rd October, 1910.

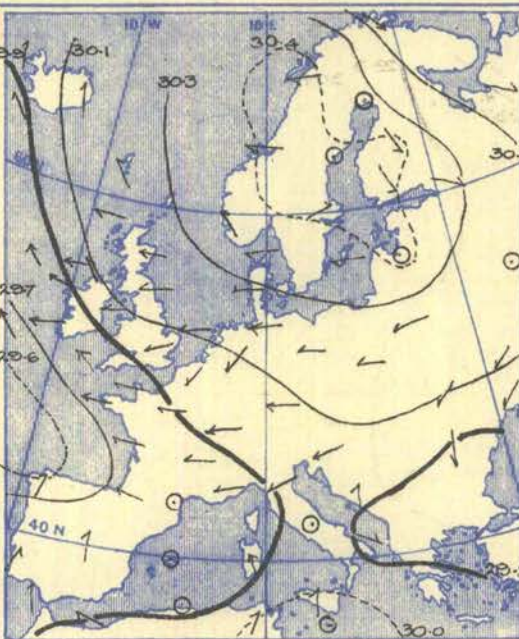
Temperature and Weather.

7 a.m.

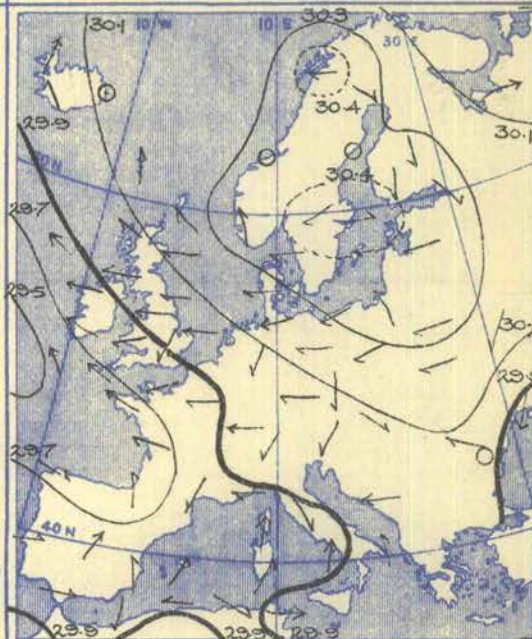


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair in a few places, but cloudy to overcast generally, with rain at Pesaro, Bucharest, and Hermanstadt, and a thunderstorm at Oran. Very heavy rain later in several parts of Italy and the south of Russia: 1.2 in. at Naples, and about 2.0 ins. at Nicolaieff. A moderately heavy fall in some French localities.

Temperature changed rather irregularly. Morning readings ranging from above 65° at a few stations in the extreme south to below 50° generally, and to below 30° in the north of Sweden. Maxima during day as high as 86° at Tunis and 82° at Malta, but below 70° over southern Europe generally, and below 50° in some places in the central countries. Thermometer only touching 32° at St. Petersburg. Maximum readings in these Islands between 50° and 55°.

Wind in morning showing a very extensive anticyclonic circulation over the northern countries and a cyclonic movement over the Atlantic off the south-west and west of these Islands. South-Easterly current fresh to strong on our south-western coasts. No change of importance later in day; a Westerly gale setting in at Vardö.

Barometer in morning above 30.4 ins. over a considerable area in Scandinavia and its vicinity; below 29.6 ins. in a large depression lying to the west and south-west of the United Kingdom, and relatively low in an ill-defined low pressure over the Mediterranean and southern Europe. No change occurring later in day in the general distribution of pressure. Barometer falling slowly over the United Kingdom and rather more briskly in France and over the Bay of Biscay.

Monday, 24th October, 1910.

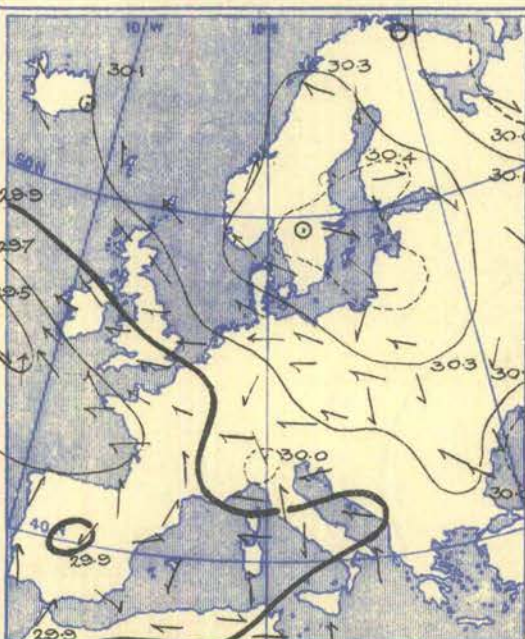
Temperature and Weather.

7 a.m.

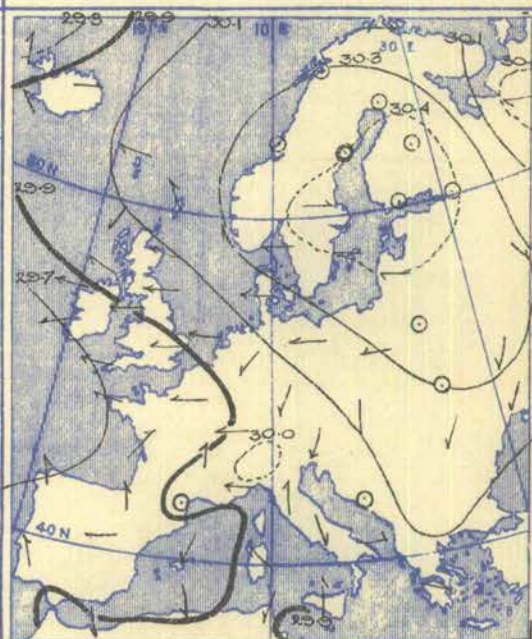


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy at some stations in the south of France, as well as at Brindisi, Sumburgh Head, and Vardö; cloudy or overcast in many other regions, but fine and bright locally. Some heavy falls of rain later in the south of France and in the southern half of Italy. More than 3.0 ins. at Cette, and 1.2 in. at Naples. Slight falls in several parts of these Islands.

Temperature fallen in most regions. Morning readings above 65° at a few places in the far south, and as high as 71° at Malta and Tunis. Below 30° in the north of Sweden and Finland, and below 40° in some parts of central Europe and in central Scotland. Maxima during day about 55° in various parts of these Islands, but below 50° over a very large area on the Continent; above 70° at most stations in the far south, and about 80° in a few scattered places.

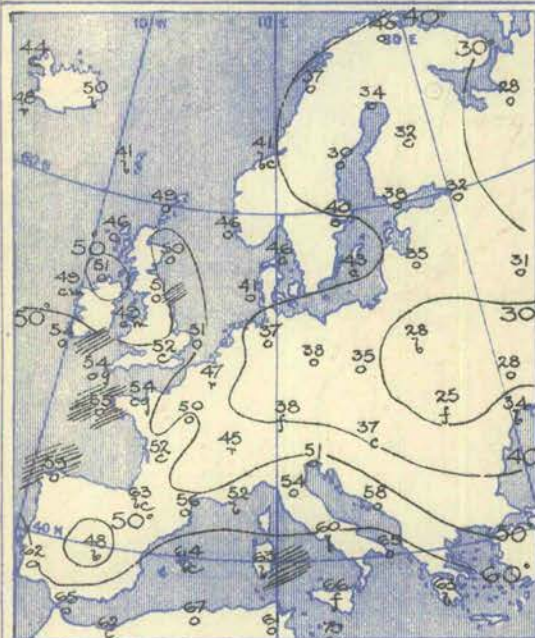
Wind in morning continuing anticyclonic over all the more northern countries and cyclonic in the extreme south and south-west. Easterly to South-Easterly current over these Islands blowing a fresh breeze in places. Some increase in force on our south and south-west coasts later in day, but little change as a whole.

Barometer in morning ranging from above 30.4 ins. in an anticyclone centred over the upper portion of the Baltic; relatively low in an ill-defined depression over Italy, and below 29.4 ins. in a deeper disturbance having its minimum some distance to the west of Ireland. Scarcely any modification taking place later in the general distribution of pressure and very little in the height of the barometer.

Tuesday, 25th October, 1910.

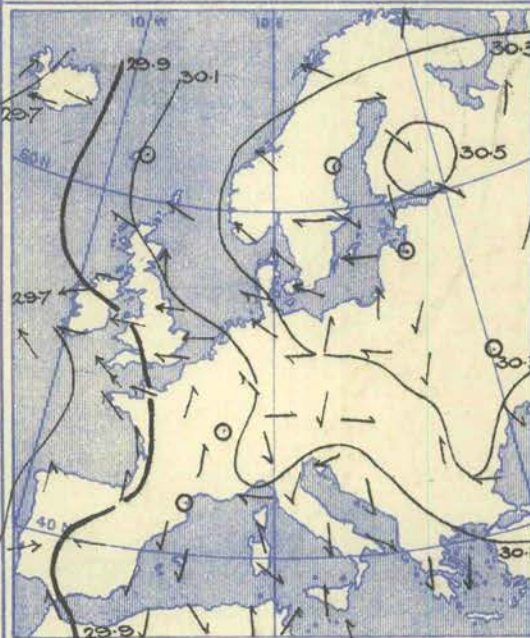
Temperature and Weather.

7 a.m.

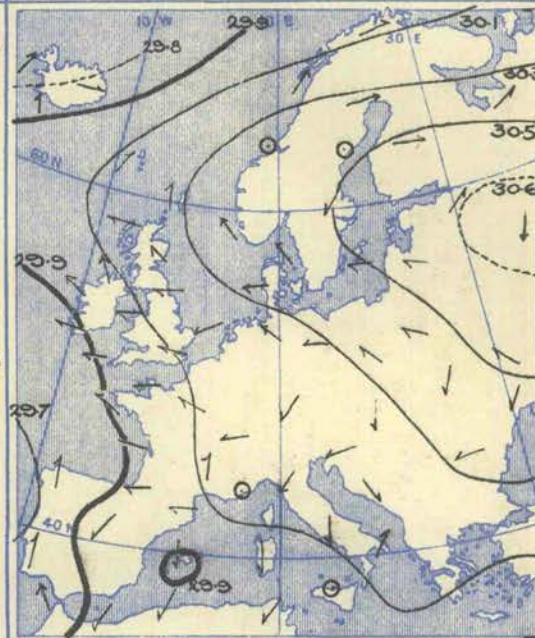


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright at some places in the south of our area, but very cloudy or overcast generally, and rainy at Belfort, Brussels, and Spurn Head. Very little or no rain later over the greater portion of the Continent; slight amounts in the south of these Islands.

Temperature changed rather irregularly. Morning readings ranging from about 70° at some stations in the far south to below 40° over a considerable area in central Europe, and to below 30° at Warsaw and in the far north of Russia. Thermometer rising subsequently to 86° at Tunis and to nearly 80° at several places on the Algerian coast, to 77° at Patras, and to 75° at Biarritz. Maxima below 50° at many places in the central countries; minima at night very high for the time of year in the United Kingdom; above 50° in several localities.

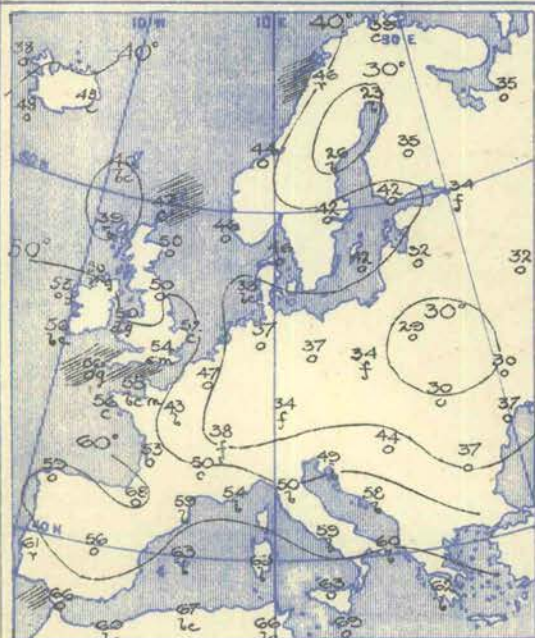
Wind in morning light, anticyclonic over all the northern countries but cyclonic over the greater portion of England and Ireland, and over the adjacent part of the Atlantic. No stations reporting a greater force than a moderate breeze. No change of importance later in day.

Barometer in morning above 30.5 ins. in an anticyclonic system having its maximum over Finland; below 29.7 ins. off the south-west of these Islands and also off the north-west of Ireland, and relatively low over the Mediterranean. Anticyclone increasing somewhat in intensity by evening, and pressure rising throughout the United Kingdom and its immediate neighbourhood. Little modification occurring in the general distribution of pressure.

Wednesday, 26th October, 1910.

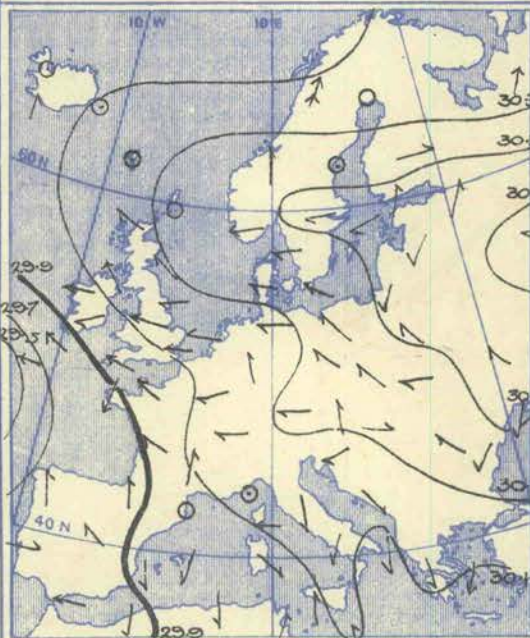
Temperature and Weather.

7 a.m.

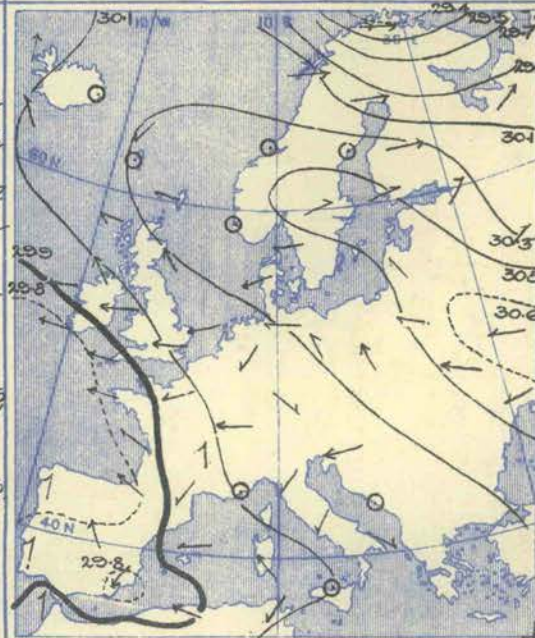


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to very fine over nearly the whole of southern Europe, but rainy at Lisbon. Generally cloudy or overcast elsewhere, with rain at Holyhead and Bodø. About 0.75 in. of rain later at Roche's Point and 0.9 in. at Scilly. Very little over our area as a whole, but considerable quantities in some parts of Portugal, and more than an inch at Malaga.

Temperature showing no decided change. Morning readings ranging from below 32° in some part of Russia and Poland and in northern Sweden, to about 50° over the greater part of the United Kingdom and the northern half of Italy, and to above 65° at several stations in the far south of our area. Maxima during day about 80° at some places in this country and west and north of France, but below 40° over a large portion of central Europe, and only 32° at Meneil. Thermometer rising to 80° at some Algerian stations, and to above 70° at some places in the south of Europe.

Wind in morning anticyclonic over our area generally except in the extreme south-west, south and north. Easterly current fresh to strong over England and Ireland, and a South-Westerly gale prevailing at Bodø. Increasing to a gale later at Portland Bill and becoming stronger over these Islands generally. Gale subsiding at Bodø, but setting in at Vardø.

Barometer in morning above 30.7 ins. in an anticyclone having its centre over central Russia; below 29.5 ins. in a depression some distance to the south-westward of Ireland. A large depression moving in an easterly direction over the Arctic regions and extending considerably in a southerly direction over northern Europe. South-western depression spreading very gradually over the west and south of these Islands and over France.

Thursday, 27th October, 1910.

Temperature and Weather.

7 a.m.

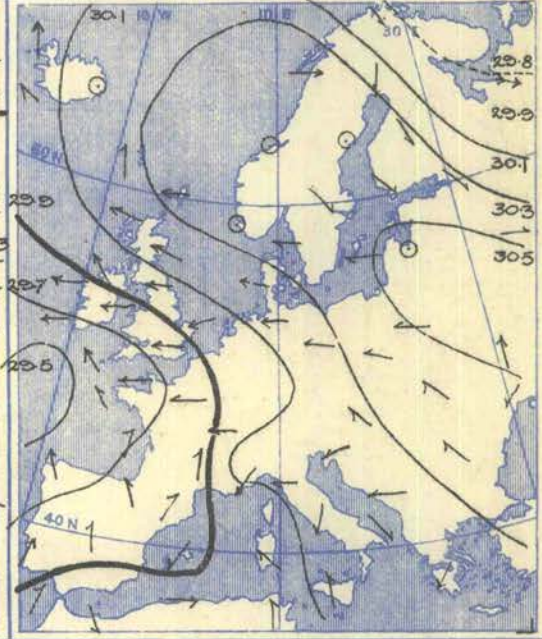


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy at Shields, in the south-west of these Islands, and the west of France, as well as at Barcelona and St. Petersburg. Fair to fine and bright at most places in the south and cloudy to overcast in the more northern countries. Considerable or heavy falls of rain later in a large part of France and the southern counties of England, as well as in the extreme south of Ireland. Rather heavy rain falling at Lisbon and in the north of Italy also. A thunderstorm occurring at Perpignan.

Temperature changed irregularly. Morning readings ranging from about 70° at a few places in the far south to about 50° at many stations in the United Kingdom, and to about 32° at various places in Russia and the north of Scandinavia. Thermometer rising to 88° at Tunis during day to 81° at Algiers, and to above 70° in the far southern regions generally; remaining below 50° in most parts of central Europe, and below 40° in some German and Polish localities. Maxima about 55° in many districts in the United Kingdom.

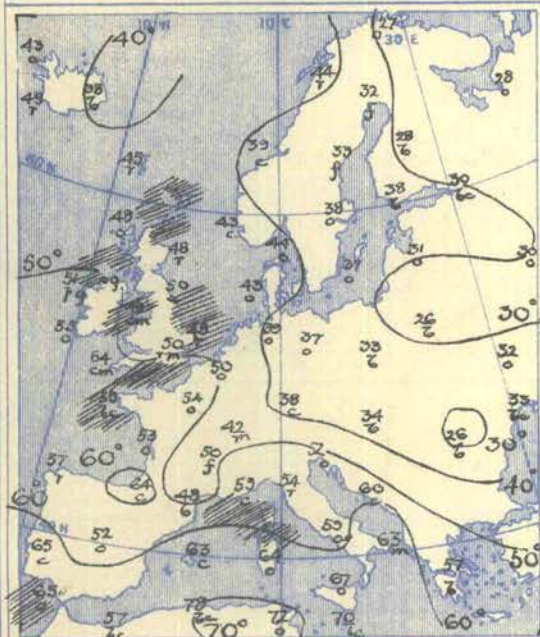
Wind in morning fresh or strong to high from the Eastward in the south and south-west of these Islands, with a gale at Portland Bill, and high from East or South-East at Belfort and Toulouse. A strong gale from North-West prevailing at Vardö. A very extensive anticyclonic movement shown over the northern and central countries. Increasing in force from the Eastward later over England and gale at Portland Bill all day. No general change either in direction or force; a gale from the North-Westward continuing in the Arctic regions of the Continent.

Barometer in morning below 29.5 ins. in a large depression in the far north and very little higher in another system centred off the south-west coasts of this country. Above 30.6 ins. in an anticyclone having its maximum over the southern portion of Russia. South-western depression extending more over these Islands and France during day, and that in the extreme north spreading southward over Russia. Pressure increasing over Norway and Iceland. Change in the general distribution slight and gradual.

Friday, 28th October, 1910.

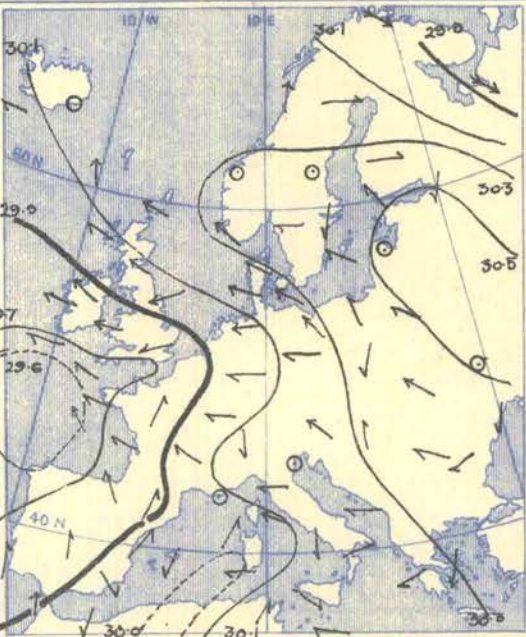
Temperature and Weather.

7 a.m.

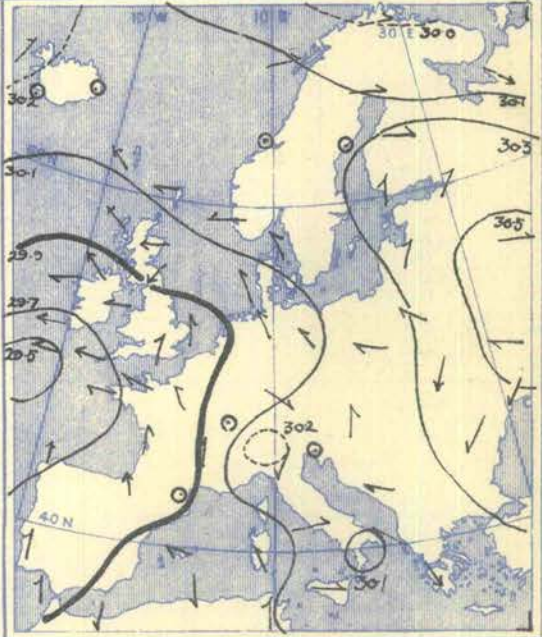


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy over a considerable portion of these Islands and the Netherlands, as well as in northern Italy, the north-west of Spain, and at Bodö; fair to fine in the extreme south of our area, but very cloudy to overcast generally. Rain experienced later at nearly all our own stations and in places over a wide area on the Continent, but measurements small generally.

Temperature fallen in most regions. Morning readings ranging from 72° at Tunis and between 55° and 70° at most stations in the far south to below 50° over our area as a whole, to below 32° over a large district in the east and north-east, and to 19° at Kharkoff. Readings very uniform over the United Kingdom. Maxima during day about 60° in some parts of England and above 70° at many stations in the far south of our area. Thermometer remaining below 50° in several parts of central Europe, and only touching 52° at Turin.

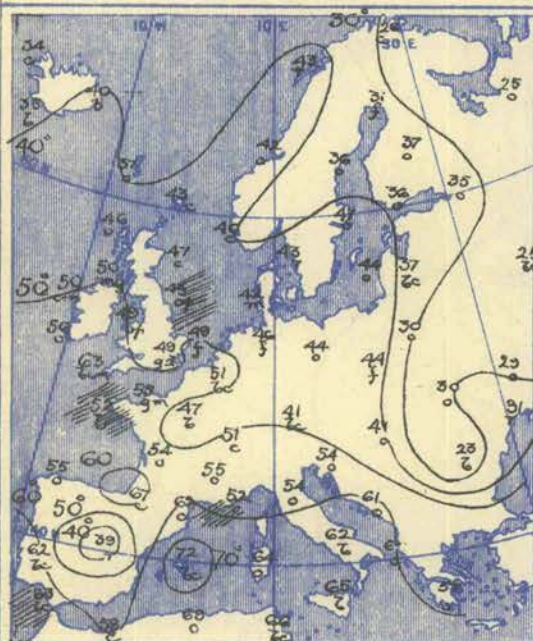
Wind in morning mainly anticyclonic in the eastern half of our area and cyclonic in the west. Easterly current fresh to strong or high on some of our own coasts. Light to moderate breezes prevailing over the major portion of the Continent, but a North-Westerly gale in the extreme north. Little general change during day; decreasing in force over the United Kingdom and also at Bodö.

Barometer in morning above 30.5 ins. in an extensive high pressure system having its maximum over Russia, and below 29.6 ins. in a large depression centred off the south-west of these Islands. Very little modification occurring in the general distribution of pressure later, but a small secondary over the south-east of England becoming more marked and moving northward.

Saturday, 29th October, 1910.

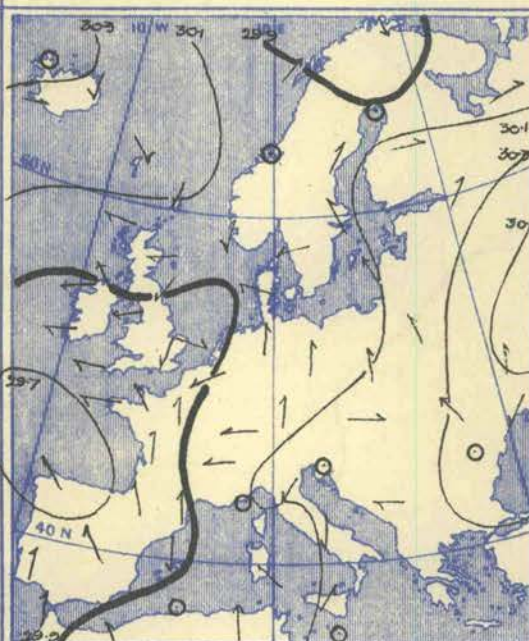
Temperature and Weather.

7 a.m.

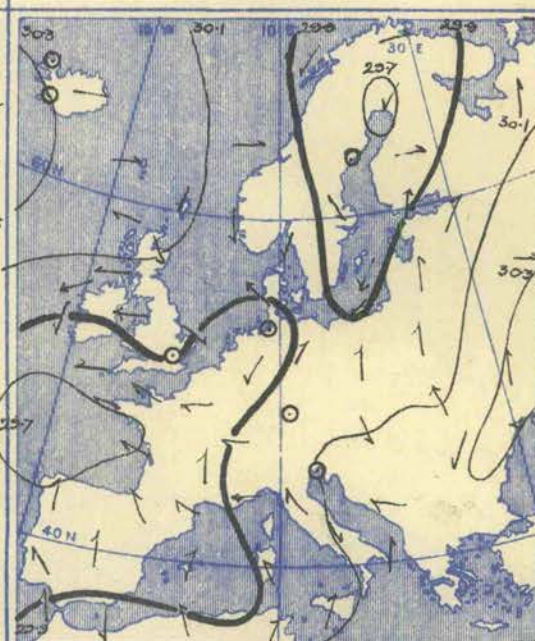


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in some parts of the United Kingdom and at a few places scattered over a large area in the western countries of the Continent. Fair to fine at most stations in the far south and in a few localities elsewhere. Some rain later in many parts of these Islands and over a large area on the Continent; about an inch at Limoges and 1.25 in. at San Fernando. A thunderstorm occurring at Lyons.

Temperature undergone no very important change. Morning readings ranging from below 30° in the east and north-east of our area to about 50° in many parts of these Islands and their vicinity, and to between 60° and 70° in the extreme south. Maxima in these Islands about 55° in many places, above 60° in the south of Europe generally, and higher than 70° in some parts of Spain and Sicily. Thermometer touching 90° or 91° on the coast of Algeria, under the influence of the sirocco.

Wind in morning still anticyclonic in the east of our area, and cyclonic in the west and south-west. Scarcely any station reporting a greater force than a moderate breeze. Very little change later; increasing to a strong breeze from North-East at Wisby. Becoming cyclonic in the north of Scandinavia.

Barometer in morning above 30.5 ins. in central Russia, and above 30.3 ins. in the north of Iceland. Below 29.7 ins. in a large depression having its minimum over the Bay of Biscay, and relatively low in a small secondary off the coast of Yorkshire. A shallow minimum appearing later in the north of Sweden, but very little other change taking place. North Sea depression travelling away eastward and becoming less well marked. Pressure increasing slowly over the United Kingdom.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Oct. 28th, 10.0 a.m. to 12.20 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	234.5° 86% 60°, 8-9	281.5° 86% 70°, 11-0	281.0° 60% 130°, 8-9	278° 66% 130°, 8-9				277° 70% 130°, 10	{ Haze and half overcast Scud, lowest, 860 m.
2	Oct. 27th, 10.0 a.m. to 12.0 noon.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	285° 89% 70°, 9-15 gusty.	282° 88% 70°, 12-5	282° 60% 120°, 19					280.2° 65% 130°, 12-5	{ Overcast Alt.-St., and haze. No clouds reached.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2
No. of Kites ..	2	1
Area of Surface (sq. metres) ..	11.5	4.5
Length of Wire (metres) ..	1,800	1,800

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 353

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 44. FORTY-FOURTH WEEK, SUNDAY, OCTOBER 30TH, TO SATURDAY, NOVEMBER 5TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—Although generally rough, squally, and frequently rainy, the week included several periods of clear, or partially clear, sky. Thunder and lightning occurred in many parts of the Kingdom on November 1st, and lightning was observed in places on other dates. A severe earthquake shock was experienced at Scilly at 8.2 a.m. on October 30th.

Temperature was below the average in all districts, the deficit amounting to between 3° and 4° in many parts of Great Britain. The highest of the maxima were registered early in the week, and ranged from 60° in England E. and 59° in the English Channel to 52° in Scotland N. The lowest of the minima, which were recorded late in the period, varied from 23° in England S.E. to 31° in Ireland S. and to 41° in the English Channel. The lowest grass minima were 17° at West Linton and Llangammarch Wells, 19° at Crathes, 20° at Kew, and 21° at Tunbridge Wells, Wisley and Burnley.

Mean Temperature of the Sea. On nearly all parts of the coast the water was warmer than during the corresponding period of last year, the difference being as much as 4½° at Kirkwall. The means for the week ranged from about 56° at Plymouth and Newquay, and 55° at Salcombe to 49° or 50° at many places on the north-east coasts of Britain, to 46° at Ballantrae, and to 45° at Pennan Bay.

Rainfall was generally in excess of the normal, but agreed very closely with it in Scotland E., and was deficient in England N.E. On October 31st the rain was very heavy over a wide area, several places, from the north-west of Scotland to North Devon, measuring more than an inch. The chief falls were 2.0 ins. at Glencarron and Fort William, 1.6 in. at Cally (Gatehouse) and Arlington, 1.4 in. at Stornoway, 1.3 in. at Bettws-y-Coed, and 1.2 in. at Stonyhurst and Buxton.

Bright Sunshine exceeded the normal in all districts except the English Channel. The percentage of the possible duration ranged from 41 in Ireland N., and 39 in England N.E. to 28 in Scotland N. and England N.W., and to 27 in Scotland W.

Barometer and Wind.—On Sunday morning the centre of a well-marked anticyclone lay to the westward of the Hebrides, and a shallow depression over France, the prevailing winds being from between North and East. On the arrival of a disturbance over Iceland, however, the high pressure receded quickly southward, and steep gradients for South-Westerly winds were formed over our northern districts. Subsequently as the depression moved south-eastward the gradient for Westerly to North-Westerly winds became very steep over the whole Kingdom and its neighbourhood, and gales from those quarters were very general. The centre of the system, reached southern Norway by Tuesday, and remained stationary with rising pressure for 24 hours, after which two separate cyclonic circulations developed within the central region of the area of low pressure. A fresh backing of wind to the Westward, and a renewal of the gales on our south-western and southern coasts, was caused by the passage eastwards across the south of England of a small secondary disturbance on Thursday. By the end of the period the wind had again veered to the Northward at all our western and north-western stations.

THE WEEK

For explanation of the terms "Unusual," &c., see p. 324.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth	...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Moderate
	Rainfall	...	Heavy	Moderate	Light	Heavy	Moderate	Heavy	Moderate	Heavy	Heavy	Heavy	Moderate	Heavy
	Sunshine	...	Abundant	Abundant	Abundant	Moderate	Moderate	Abundant	Moderate	Abundant	Abundant	Abundant	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 9 weeks from Sept. 4th, 1910.		Warmth ...	2 * 1	2 * 2	5 * 4	5 * 3	3 * 3	4 * 4	3 * 1	3 * 4	3 * 3	4 * 1	3 * 3	3 * 2
		Rainfall ...	1 * 7	1 * 7	0 * 7	2 * 5	1 * 3	3 * 4	0 * 5	2 * 7	2 * 5	1 * 6	0 * 5	2 * 4
		Sunshine ...	4 * 1	4 * 3	3 * 4	0 * 5	0 * 5	3 * 5	3 * 3	4 * 2	4 * 4	3 * 3	0 * 3	1 * 4

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ... Rainfall ... Sunshine ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
		5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ... Rainfall ... Sunshine ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
		10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ... Rainfall ... Sunshine ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
		6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ... Rainfall ... Sunshine ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
		4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
		5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—*The Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours, or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FORTY-FOURTH WEEK—October 30th to November 5th, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	52	28	45.5	35.0	40.3	- 3.7	Day-deg. 10	Day-deg. - 17	Day-deg. 27	Day-deg. + 16	6	0	Inches. 2.08	Inches. +0.79	17	+ 5	% 28	% + 7
Eastern																		
1. SCOTLAND, EAST	53	26	45.5	34.3	39.9	- 3.3	10	- 18	29	+ 14	5	0	0.75	-0.01	24	+ 9	37	+14
2. ENGLAND, N.E.	53	29	47.8	35.9	41.9	- 3.7	16	- 18	26	+ 19	3	- 1	0.38	-0.28	26	+ 10	39	+15
3. ENGLAND, EAST	60	27	49.1	38.0	43.6	- 2.7	28	- 11	11	+ 3	4	0	0.75	+0.18	23	+ 4	35	+ 6
4. MIDLAND COUNTIES	57	25	48.3	36.8	42.5	- 2.9	25	- 11	15	+ 5	4	0	0.86	+0.20	20	+ 5	30	+ 7
5. ENGLAND, S.E.	57	23	50.3	39.1	44.7	- 3.3	31	- 16	8	+ 3	4	0	1.02	+0.21	24	+ 5	35	+ 8
Western																		
6. SCOTLAND, WEST	54	25	47.8	35.4	41.6	- 4.2	16	- 18	27	+ 19	4	- 1	1.64	+0.34	18	+ 3	27	+ 4
7. ENGLAND, N.W.	57	30	48.3	37.5	42.9	- 3.7	25	- 13	13	+ 7	5	0	1.42	+0.51	18	+ 4	28	+ 6
8. ENGLAND, S.W.	58	24	50.4	40.3	45.4	- 2.8	31	- 17	5	+ 1	6	+ 1	1.65	+0.55	24	+ 6	35	+ 9
9. IRELAND, NORTH	56	28	49.5	37.7	43.7	- 2.4	30	- 6	12	+ 5	6	+ 1	1.40	+0.46	26	+ 10	41	+15
10. IRELAND, SOUTH	58	31	50.5	39.8	45.2	- 2.4	32	- 14	6	0	6	+ 1	1.19	+0.22	21	+ 2	31	+ 3
11. ENGLISH CHANNEL	59	41	54.8	46.3	50.6	- 1.0	60	- 7	0	0	7	+ 2	1.65	+0.70	21	- 1	39	- 1
THE SEASON (Autumn).—Aggregates, &c., for the Period of 9 Weeks, September 4th to November 5th, 1910.																		
0. SCOTLAND, NORTH	68	28	*	*	*	*	475	+ 22	37	- 6	36	- 9	4.96§	-5.46	193§	+ 16	28	+ 3
Eastern																		
1. SCOTLAND, EAST	72	26	*	*	*	*	487	+ 2	49	- 15	26	-11	3.46	-2.31	212	+ 6	30	+ 1
2. ENGLAND, N.E.	74	29	*	*	*	*	615	+ 43	26	+ 3	23	-10	2.98	-2.15	208	- 21	29	- 3
3. ENGLAND, EAST	75	27	*	*	*	*	713	+ 59	11	- 17	25	- 7	3.38	-1.49	201	- 55	28	- 8
4. MIDLAND COUNTIES	76	25	*	*	*	*	606	+ 9	15	- 22	24	- 8	3.89	-1.26	173	- 51	24	- 7
5. ENGLAND, S.E.	74	23	*	*	*	*	741	+ 14	8	- 10	24	- 7	4.88	-0.95	238	- 21	33	- 3
Western																		
6. SCOTLAND, WEST	69	25	*	*	*	*	560	+ 21	27	- 3	24	-13	4.74	-4.79	215	+ 5	30	+ 1
7. ENGLAND, N.W.	73	30	*	*	*	*	608	- 2	13	- 4	24	-11	4.18	-3.06	221	+ 8	31	+ 1
8. ENGLAND, S.W.	71	24	*	*	*	*	689	- 2	5	- 8	28	- 8	6.89	-1.14	250	+ 4	35	+ 1
9. IRELAND, NORTH	69	28	*	*	*	*	603	+ 38	12	- 9	26	-15	3.83	-3.52	210	+ 6	29	+ 1
10. IRELAND, SOUTH	70	31	*	*	*	*	655	+ 11	6	- 12	33	- 3	4.66	-2.39	200	- 38	28	- 5
11. ENGLISH CHANNEL	74	39	*	*	*	*	880	+ 5	0	0	32	- 7	8.02	+1.11	292	- 11	41	- 2
THE YEAR.—Aggregates, &c., for the Period of 44 Weeks, January 2nd to November 5th, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	2081	+ 74	632	+ 32	199	- 6	39.86§	-1.97	1127§	+ 66	28	+ 2
Eastern																		
1. SCOTLAND, EAST	80	-10	*	*	*	*	2169	- 86	676	+ 1	170	0	26.18	+0.84	1240	- 19	31	- 1
2. ENGLAND, N.E.	81	6	*	*	*	*	2643	+121	480	- 18	157	+ 4	19.74	-0.85	1261	-103	32	- 3
3. ENGLAND, EAST	83	17	*	*	*	*	3014	+100	404	-145	160	+ 12	20.50	+0.72	1379	-104	35	- 3
4. MIDLAND COUNTIES	83	10	*	*	*	*	2841	+ 8	489	- 31	159	+ 12	22.71	+0.80	1246	- 77	32	- 2
5. ENGLAND, S.E.	81	13	*	*	*	*	3102	- 44	302	- 97	158	+ 17	24.06	+2.12	1429	- 74	36	- 2
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	2522	+ 80	459	+ 4	176	- 1	37.92	-0.46	1292	0	32	0
7. ENGLAND, N.W.	81	7	*	*	*	*	2690	+ 13	351	- 52	178	+ 15	30.77	+2.32	1363	+ 53	34	+ 1
8. ENGLAND, S.W.	81	8	*	*	*	*	2913	- 70	247	- 67	173	+ 12	34.11	+3.43	1448	- 16	37	0
9. IRELAND, NORTH	79	7	*	*	*	*	2581	+ 29	363	- 3	194	+ 1	33.12	+1.91	1205	+ 10	30	0
10. IRELAND, SOUTH	79	18	*	*	*	*	2926	- 4	264	- 13	204	+ 33	35.06	+2.83	1269	- 76	32	- 2
11. ENGLISH CHANNEL	79	28	*	*	*	*	3405	- 56	54	- 55	174	+ 2	30.49	+4.90	1641	-139	42	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 § The corresponding value for Report No. 43 slightly altered owing to the receipt of further information.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked a, and at the hour of evening observation (9 p.m.) at Stations marked p. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked a is supplied by the Royal Meteorological Society, and that for Stations marked § is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°	Below 42°	
										Day	Day									
0. SCOTLAND, N.	a, Islands.	p Baltasound	47	3rd	33	5th	44.8	38.0	41.4	- 1.9	21	11	7	1.97	- 0.60	22.4	+ 8.0	35	Baltasound.	
		a Sumburgh Head	52	31st	35	5th	47.1	38.1	42.6	- 1.9	21	11	7	1.55	+ 0.60	22.4	+ 8.0	36	Deerness.	
		a Stornoway	50	30th	35	2, 3, 5th	45.9	37.6	41.8	- 2.7	11	18	7	2.93	+ 1.60	18.3	+ 3.5	30	Stornoway.	
		a Castlebay, Barra Isd.	53	30th	35	2nd	48.3	40.0	44.2	- 2.2	24	6	6	1.43	- 0.34	30.4	- 4.8	48	Castlebay.	
		a Wick	50	30th	33	2nd, 5th	45.6	34.3	40.0	- 4.4	10	30	6	1.40	+ 0.70	15.8	+ 2.5	30	Strathpeffer.	
		p Strathpeffer	50	31st	30	5th	45.3	34.9	40.1	- 3.4	9	27	4	1.31	+ 0.66	18.8	+ 2.5	30	Strathpeffer.	
		p Glencarron	49	30th	31	5th	44.5	33.7	39.1	- 3.9	7	31	5	3.26	+ 1.15	9.8	- 0.5	16	Fort Augustus.	
		p Fort Augustus	52	30th	28	5th	45.6	32.4	39.0	- 5.0	10	26	5	1.34	+ 0.36	9.8	- 0.5	16	Fort Augustus.	
	p Fort William	51	31st	29	5th	44.5	33.9	39.2	- 5.0	7	30	5	2.75	+ 0.95	9.8	- 0.5	16	Fort Augustus.		
1. SCOTLAND, E.		p Gordon Castle	48	30th	31	3rd, 5th	43.9	34.0	39.0	- 5.3	5	30	7	1.72	+ 0.98	12.7	- 1.0	20	Gordon Castle.	
		a Nairn	50	31st	34	2, 3, 4, 5th	44.6	35.6	40.1	- 3.8	7	24	5	0.67	+ 0.16	21.7	- 1.0	34	Nairn.	
		a Aberdeen	51	30th	33	4th	46.3	36.1	41.2	- 3.4	12	24	4	0.49	- 0.18	28.6	+10.6	45	Aberdeen.	
		a Balmoral	48	5th	28	2nd, 4th	46.3	30.1	38.2	- 2.7	12	45	3	0.67	- 0.23	24.7	- 1.0	39	Crathes S.	
		p Crieff	52	30th	31	2nd, 3rd	46.6	33.9	40.3	- 3.9	18	32	4	0.63	- 0.33	26.6	- 1.0	42	Balruddery	
		a Leith	53	31st	34	2nd	47.9	38.7	43.3	- 2.6	23	9	9	0.39	- 0.07	14.0	- 1.0	22	Edinburgh.	
		a West Linton	49	31st	26	3rd	43.2	31.3	37.3	- 5.4	3	39	7	0.70	- 0.04	17.2	+ 1.5	27	West Linton.	
		p Marchmont	49	31st	30	3rd	45.0	34.7	39.9	- 3.4	8	28	5	0.74	- 0.04	17.2	+ 1.5	27	Marchmont.	
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	51	30th	31	2nd, 3rd	47.0	35.4	41.2	- 4.5	14	27	5	0.67	+ 0.05	28.3	- 1.0	44	Cockle Park.	
		a Shields	51	1st	32	3rd, 4th	47.8	35.3	41.6	- 3.0	16	28	4	0.17	- 0.49	29.8	+13.2	46	Newcastle.	
		p Durham	51	1st	29	3rd, 4th	47.3	33.5	40.4	- 3.6	15	33	3	0.30	- 0.41	29.8	+13.2	46	Durham.	
		p Rounton	52	1st	29	3rd, 4th	47.3	33.5	40.4	- 3.6	15	33	3	0.30	- 0.41	29.8	+13.2	46	Durham.	
		p Scarborough	53	31st	31	4th	49.7	35.6	42.7	- 3.0	32	18	1	0.26	- 0.29	21.7	+ 7.1	33	Scarborough.	
		a York	53	30th	36	3rd	48.0	41.1	44.6	- 2.6	22	3	3	0.43	- 0.06	29.0	- 1.0	44	York.	
		a Spurn Head	51	31st	29	4th	47.0	35.2	41.1	- 4.5	14	27	4	0.31	- 0.19	22.2	- 1.0	34	Skegness.	
		a Lincoln	52	31st	31	4th, 5th	48.1	35.1	41.6	- 3.6	17	28	3	0.29	- 0.21	25.3	- 1.0	35	Rauncely.	
	a Fulbeck	52	31st	31	4th, 5th	48.1	35.1	41.6	- 3.6	17	28	3	0.29	- 0.21	25.3	- 1.0	35	Lowestoft.		
3. ENGLAND, E.	a, North.	p Cromer	54	1st	33	3rd	49.6	39.0	44.3	- 1.7	29	8	6	0.42	- 0.08	22.4	+ 5.2	34	Cromer.	
		p Hillington	52	30th	27	5th	47.9	34.7	41.3	- 4.2	17	30	4	0.67	+ 0.03	22.4	+ 5.2	34	Hillington.	
		a Yarmouth	54	31st	32	4th	48.9	39.4	44.2	- 2.7	26	7	3	0.80	+ 0.17	25.7	- 1.0	39	Yarmouth.	
		a Norwich	52	31st	32	5th	47.6	38.7	43.2	- 2.0	22	9	6	0.59	- 0.08	24.1	+ 4.9	37	Geldeston.	
		p Geldeston	56	31st	31	5th	50.1	37.9	44.0	- 2.8	31	11	5	0.89	+ 0.29	25.0	+ 6.0	37	Cambridge.	
		p Cambridge	53	1st	28	5th	49.2	36.9	43.1	- 2.9	29	14	5	0.62	+ 0.12	25.0	+ 6.0	37	Felixstowe.	
		a Felixstowe	53	31st, 1st	33	5th	49.0	39.1	44.1	- 3.6	27	8	5	0.73	- 0.08	24.7	- 1.0	37	Felixstowe.	
		a Clacton-on-Sea	54	31st	33	5th	49.7	39.3	44.5	- 3.2	29	8	4	0.78	- 0.08	24.7	- 1.0	37	Clacton.	
	a Clacton-on-Sea	56	31st	29	5th	48.3	37.1	42.7	- 2.1	25	14	6	1.10	+ 0.43	20.4	+ 1.2	30	Rothamsted.		
	a Shoeburyness	55	31st	30	5th	49.7	39.3	44.5	- 3.5	29	8	4	0.76	+ 0.31	21.6	- 1.0	32	Southend.		
	p Tottenham	60	1st	28	5th	50.8	38.9	44.9	- 1.7	33	9	2	0.90	- 0.08	20.5	- 1.0	31	Tottenham.		
4. MIDLAND COUNTIES.	a, East.	a Harrogate	51	1st	32	4th	46.1	34.8	40.5	- 4.0	11	28	4	0.84	+ 0.16	23.2	- 1.0	35	Harrogate.	
		a Bawtry	50	30th, 31st	29	4th	47.1	35.3	41.2	- 3.8	14	27	4	0.36	- 0.08	20.7	+ 5.5	31	Workop.	
		p Buxton	50	1st	23	5th	44.7	33.6	39.2	- 3.6	8	32	5	2.54	+ 1.31	12.6	- 1.0	19	Buxton.	
		a Nottingham	53	31st	32	5th	48.3	37.0	42.7	- 2.9	26	14	5	0.77	+ 0.27	11.0	- 1.0	17	Nottingham.	
		p Birmingham, Edgbn	54	1st	34	3rd, 5th	47.1	36.9	42.0	- 3.5	14	14	6	0.75	+ 0.18	11.3	- 1.0	17	Birmingham.	
		a Raunds	54	31st	32	4th	49.3	37.2	43.3	- 2.0	29	13	4	0.56	- 0.08	20.9	+ 2.7	31	Oxford.	
		a Oxford	55	31st	28	5th	49.1	38.4	43.8	- 2.5	28	10	3	0.61	+ 0.03	20.9	+ 2.7	31	Oxford.	
		a Cheadle	52	31st	32	2nd	46.5	37.3	41.9	- 2.6	13	20	4	2.12	+ 1.44	21.2	- 1.0	32	Sheffield.	
	p Shrewsbury	55	1st	31	4th	48.9	39.5	44.2	- 3.4	28	15	6	0.45	- 0.08	20.5	- 1.0	31	Sheffield.		
	a Hereford	56	31st	28	5th	48.7	36.7	42.7	- 3.3	27	15	4	0.95	+ 0.38	24.0	+ 5.7	36	Gloucester.		
	a Cirencester	56	1st	25	5th	49.3	36.1	42.7	- 1.8	30	17	4	1.16	+ 0.48	27.6	- 1.0	41	Bath.		
	a Bath	57	31st	26	5th	50.4	38.3	44.4	- 2.8	32	10	3	0.90	+ 0.22	21.3	- 1.0	32	Ramsgate.		
5. ENGLAND, S.E.		p Kew	56	1st	28	5th	49.7	38.4	44.1	- 2.4	30	10	3	1.22	+ 0.65	19.2	+ 2.9	29	Kew.	
		a Marlborough	54	31st	23	5th	48.4	35.6	42.0	- 2.8	18	18	5	1.46	+ 0.68	22.3	+ 4.8	33	Marlborough.	
		a Margate	56	31st	34	2nd, 5th	50.1	41.5	45.8	- 2.4	29	1	3	0.71	+ 0.09	17.3	- 2.2	28	Margate.	
		a Wisley, Surrey	55	31st	27	5th	49.5	38.8	44.2	- 3.0	29	9	4	0.95	- 0.08	19.1	- 1.0	29	Wisley.	
		a Swartrath	55	31st	25	5th	48.8	37.0	42.9	- 2.6	27	14	4	1.14	+ 0.37	29.1	- 1.0	43	Worthing.	
		a Tunbridge Wells	53	31st	30	5th	47.8	38.0	42.9	- 3.5	23	11	4	0.87	+ 0.08	23.8	+ 4.1	36	Tunbridge Wells.	
		a Dungeness	57	30th	29	5th	52.4	40.3	46.4	- 2.7	38	5	3	0.84	+ 0.19	22.2	- 1.0	33	Littlestone.	
		p Hastings	56	1st	35	3rd	51.6	39.9	45.8	- 3.0	35	6	4	1.12	+ 0.34	27.5	+ 5.7	41	Hastings.	
	p Southampton	56	1st	30	5th	52.2	39.3	45.8	- 2.6	38	8	4	0.89	+ 0.09	27.1	+ 7.2	40	Southampton.		
	a Ventnor	57	31st	38	4th	52.7	42.3	47.5	- 2.3	39	0	6	0.97	+ 0.40	26.6	+ 4.6	40	Ventnor.		
6. LONDON		a Westminster	55	31st	30	5th	50.1	39.6	44.9	- 1.7	30	7	6	0.94	+ 0.38	26.5	+ 8.7	44	Westminster.	
		a Greenwich	55	31st	28	5th	49.8	38.8	44.3	- 2.3	30	9	5	1						

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound ..	—	—	43·6	—	Harrogate ..	4	27	46·2	49·1	6. Dumfries ..	6	24	45·1	51·0
1. Aberdeen ..	—	—	—	48·8	4. Huddersfield ..	2	27	45·3	50·6	6. Douglas ..	0	31	—	—
1. Crathes ..	5	19	44·6	49·4	4. Buxton ..	2	25	44·6	50·1	7. Aspatria ..	4	24	45·0	50·0
1. Balmoral ..	7	24	—	—	4. Sheffield ..	6	22	46·4	51·1	7. Newton Rigg ..	5	24	47·4	49·9
1. West Linton ..	6	17	—	—	4. Nottingham ..	3	26	43·4	51·1	7. Burnley ..	5	21	44·7	50·0
1. Marchmont ..	2	27	42·9	—	4. Birmingham ..	3	22	45·0	50·4	7. Southport ..	3	25	45·5	50·5
1. Cockle Park ..	5	23	41·2	47·8	4. Oxford ..	3	23	—	—	7. Manchester City ..	0	33	45·7	52·4
1. Durham ..	3	27	—	—	4. Hereford ..	3	23	47·7	51·5	7. Bettws-y-Coed ..	1	30	45·4	50·4
1. York ..	—	—	48·7	52·3	4. Cirencester ..	2	23	50·6	54·5	8. Llangammarch Wells ..	6	17	46·5	51·7
1. Hull ..	4	24	45·3	51·6	4. Bath ..	—	—	—	—	8. Cardiff ..	3	23	46·9	52·2
1. Lincoln ..	—	—	46·0	51·8	5. Margate ..	0	32	49·9	53·4	8. Clifton ..	3	25	—	—
1. Rauceby ..	3	24	46·3	52·3	5. Greenwich ..	2	22	—	—	8. Plymouth ..	0	31	50·6	—
1. Norwich ..	4	25	—	—	5. Westminster ..	3	25	—	—	9. Armagh ..	1	26	48·2	51·8
1. Yarmouth ..	—	—	47·0	53·6	5. Kew ..	2	20	48·0	53·0	9. Markree ..	4	24	47·9	52·5
1. Lowestoft ..	2	20	48·1	53·6	5. Canterbury ..	4	24	46·5	52·6	10. Dublin, Trin. Coll. ..	2	26	47·8	52·0
1. Cambridge ..	3	23	47·6	53·0	5. Tunbridge Wells ..	3	21	48·8	—	11. Guernsey, Brooklyn ..	0	35	52·4	55·8
1. Clacton-on-Sea ..	3	27	49·7	54·6	5. Wisley ..	3	21	47·1	53·0					
1. Southend ..	1	30	49·9	—	5. Worthing ..	3	25	49·1	54·6					
1. Tottenham ..	2	22	—	55·3	5. Portsmouth ..	1	25	49·2	54·5					
					6. Glasgow ..	5	24	—	—					
					6. Rothesay ..	—	—	—	49·6					
					6. Colmonell ..	3	27	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick ..	49	48	48·7	SCOTLAND, W.	Lamlash ..	53	51	51·6
	Kirkwall ..	50	46	48·0		Ballastra ..	47	46	46·3
	Wick ..	51	50	50·7	ENGLAND, N.W.	Port Erin ..	53	51	51·5
SCOTLAND, E.	Cromarty ..	49	45	47·2		Newquay ..	56	55	55·7
	Pennan Bay ..	51	41	45·0	ENGLAND, S.W.	Selly ..	55	53	53·6
	Aberdeen, Cove Bay ..	52	51	51·4		Plymouth ..	57	55	56·2
ENGLAND, N.E.	Burnmouth, Berwick ..	49	47	48·1		Salcombe ..	58	54	55·0
	Scarborough ..	52	46	49·7	IRELAND, N.W.	Sheephaven ..	52	49	50·3
ENGLAND, E.	Shipwash Lightship ..	55	52	53·5		Teelin ..	53	45	49·8
	Margate ..	55	48	51·2	IRELAND, S.W.	Cleggan ..	52	47	49·6
ENGLAND, S.E.	Eastbourne ..	55	51	53·4	IRELAND, E.	Seafield ..	53	49	50·9

: Only one observation each day.

• ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1910.	Station.	Wind Direction and Velocity, Metres per Second.													
			Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.	6,500 metres.	7,000 metres.
1	Aug. 8th, 7.35 p.m.	Pyrton Hill, Oxon. 150 m.	35°, 1.5	50°, 6.6	60°, 6.4	45°, 6.7										
2	Aug. 9th, 7.0 am.	Crinan	90°, 1.	—	90°, 4.	—	90°, 1.									
3	Aug. 10th, 7.0 a.m.	Pyrton Hill, Oxon. 150 m.	5°, 3.1	30°, 11.2	50°, 10.4	55°, 9.1	40°, 7.5	35°, 8.1	25°, 8.5							
4	Aug. 11th, 7.30 p.m.	Pyrton Hill, Oxon. 150 m.	210°, 5.0	220°, 8.3	215°, 5.4	225°, 5.2	225°, 5.6	245°, 6.2	250°, 8.0	250°, 6.2						
5	Aug. 12th, 7.22 p.m.	Pyrton Hill, Oxon. 150 m.	250°, 3.5	270°, 11.2	295°, 13.4	280°, 14.0	290°, 14.2	230°, 16.3	285°, 19.5	285°, 23.0						

NOTE.—No. 1.—3·04 m.p.s. assumed rate of ascent. } One theodolite only.

Nos. 3, 4, 5.—3·15

No. 2.—Clouds at 2,000 m.

On August 11th, 12.35 p.m., a pilot balloon showed that the velocity up to 1,500 m. did not exceed 1·0 m.p.s.

OBSERVATIONS IN THE UPPER AIR. OBSERVATIONS WITH REGISTERING BALLOONS, INTERNATIONAL WEEK, AUGUST 8th-13th, 1910.

Wind Direction and Velocity, Metres per hour.

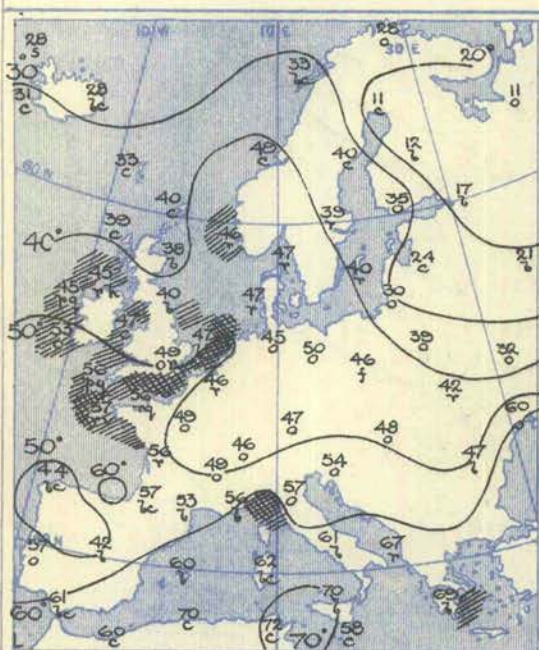
Aug. 8th, 7.0 a.m.	Crinan	Cloud level at 600 m. Very light S.E. wind.
Aug. 8th, 8.6 p.m.	Crinan	Very light S.E. wind on surface, then dead calm to cloud level at 2,000 m.
Aug. 10th, 7.0 a.m.	Crinan	Very light S.E. wind. Clouds at 2,500 m.
Aug. 10th, 8.5 p.m.	Crinan	Balloon rose vertically, lost in haze at 2,000 m. Cirrus in West.
Aug. 11th, 7.0 a.m.	Crinan	Moderate S.E. wind; balloon lost in clouds at 1,600 m. Clouds moving slowly from W.S.W.
Aug. 11th, 7.56 p.m.	Crinan	Light S. wind, clouds at 800 m.
Aug. 12th, 7.0 a.m.	Crinan	Thick fog; later, clouds from W.N.W.

NOTE.—From 8th to 10th inclusive, Cirrus when seen was almost stationary or moving very slowly from points between S. and S.E., on the 11th and 12th slowly from the West, on 13th cirro-cu. were moving moderately fast from S.E.

Tuesday, 1st November, 1910.

Temperature and Weather.

7 a.m.

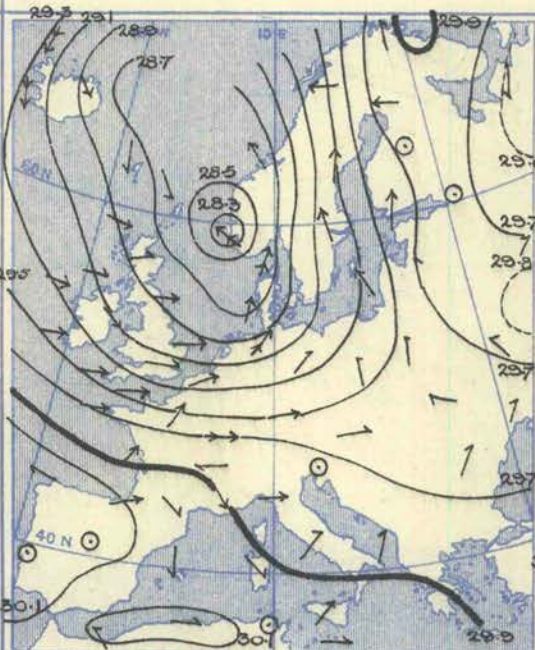


Weather in morning very rough and squally over these Islands and nearly the whole of western and north-western Europe, with showers or steady rain in places over a very wide area. Fair to fine and bright at most stations in southern Europe, but rain falling at Brindisi. Rain later over the United Kingdom and the major portion of the Continent; amounts heavy in various regions—more than an inch in some French localities. Thunderstorms occurring in some parts of this country and also at Besançon and Charleville.

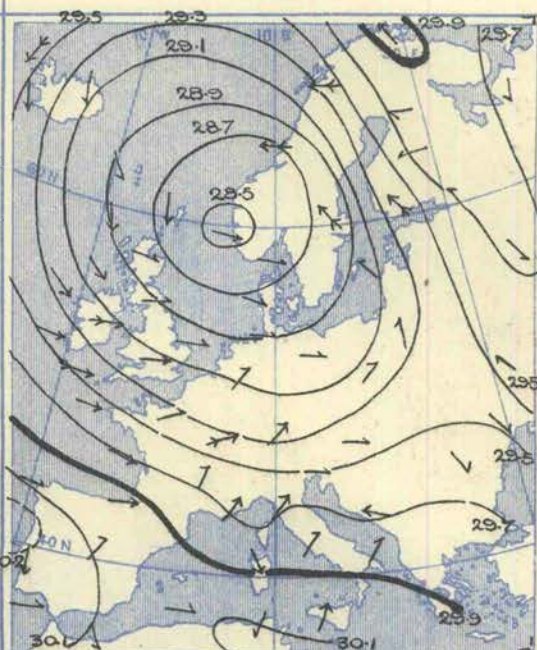
Temperature fallen over Great Britain and France, risen over Scandinavia. Morning readings ranging from 70° at Palermo and above 65° at some other southern stations to below 50° generally, to below 30° in the north-east of our area, and to 10° and 11° respectively at Uleaborg and Archangel. Maxima during day only 40° in some parts of Scotland and below 32° in the extreme north and north-east of the Continent; above 50° in the south and west of these Islands and most of France, and between 60° and 70° over the south of Europe generally. Thermometer rising to nearly 80° in a few places.

Barometer and Wind.

7 a.m.



6 p.m.



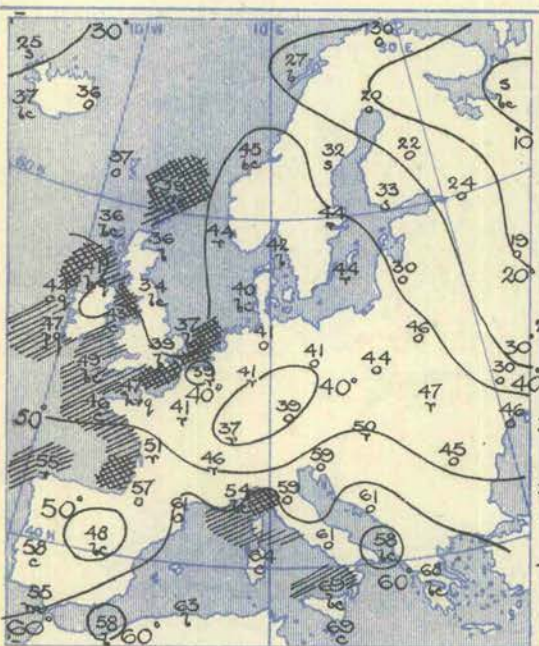
Wind in morning showing a vast cyclonic circulation over the north-western countries, the westerly current blowing a gale over the southern half of these Islands and in France, that from South-West being equally strong over the Netherlands and North Germany, and that from the Southward blowing a strong breeze to a gale over Scandinavia. A Northerly to North-Easterly gale prevailing in Iceland. Generally light to moderate from between North and West over the Mediterranean region, but strong or high from the Southward in Greece. Veering a few points by evening in these Islands, but little change as a whole; an Easterly gale setting in in the north of Norway.

Barometer in morning below 28.3 ins. in a very large depression having its minimum near Skudesnaes, and as high as 30.2 ins. in the north-west of Spain. Gradient steep over a large portion of northern and western Europe. Very little change during day, but depression moving slowly in a westerly direction at night, and gradient, after decreasing somewhat increasing again over these Islands. Pressure continuing to rise steadily over the Icelandic region.

Wednesday, 2nd November, 1910.

Temperature and Weather.

7 a.m.

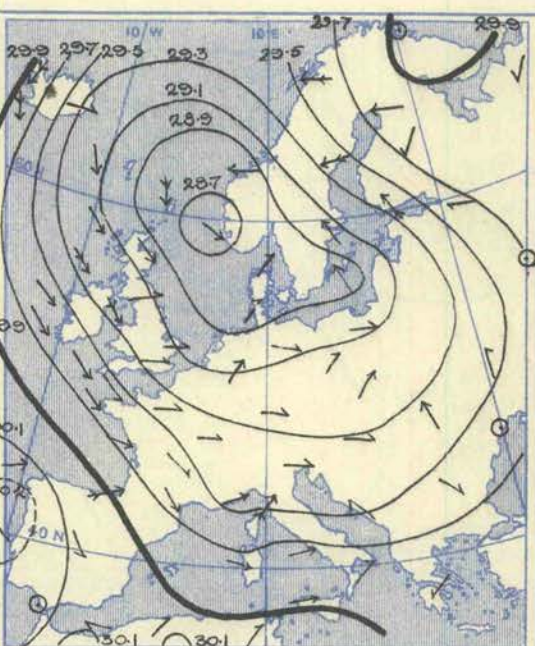


Weather in morning very unsettled and rough, with rain in many places over these Islands and a large part of northern and north-western Europe. Fair to fine and bright at most places in the extreme south of our area, but dull and rough in Italy and the neighbouring islands. More or less rain later at many stations in this country and over the northern half of the Continent, as well as in a few southern regions. A thunderstorm occurring in the north-west of England.

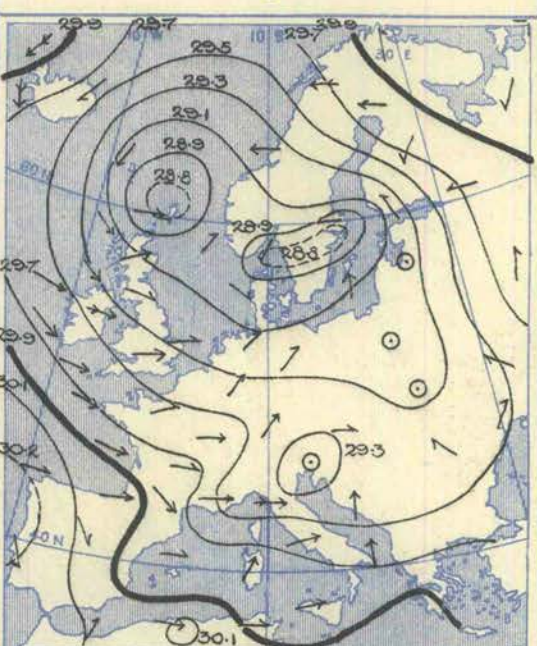
Temperature fallen over the major portion of our area. Morning readings above 65° at various places on the shores of the Mediterranean; below 40° at many of our own stations and over a large area in northern and eastern Europe, and below 10° in the north of Russia. Thermometer remaining below 50° at nearly all our own stations, and in Germany and the Low Countries, and also in the east of France; rising to between 60° and 70° at most places in the south of our area, and to 82° at Palermo. Frost continuing throughout the day in some parts of northern Europe.

Barometer and Wind.

7 a.m.



6 p.m.



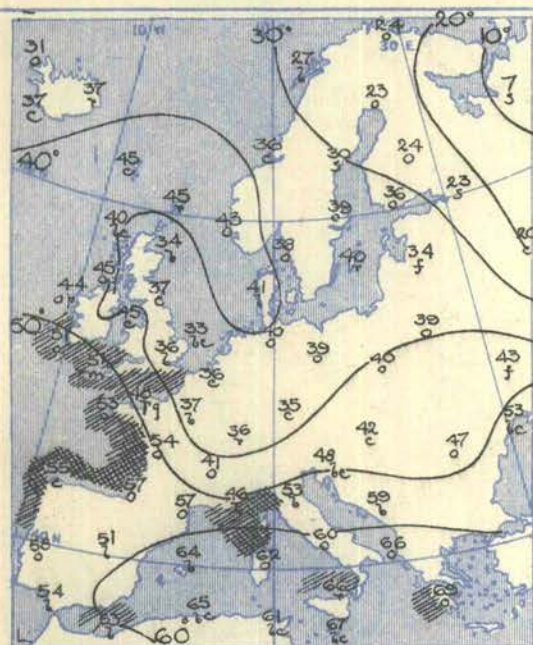
Wind in morning fresh or strong to a gale from the North-Westward over the United Kingdom, the North Sea, and France, and from the South-Eastward or Eastward in northern Scandinavia. Fresh or strong Westerly winds prevailing over the south of Europe. No great or general change during day, but force decreasing in most parts of this country. Westerly wind remaining strong over the Mediterranean, and rising to a gale at Leghorn.

Barometer in morning ranging from above 30.2 ins. in Portugal and above 29.9 ins. in the far north of Scandinavia to below 28.7 ins. in a large depression having its centre near the south-west coast of Norway. Pressure minimum moving slowly westward during day, but system at the same time becoming rather less deep; another disturbance developing over the south of Sweden. A shallow depression over the north of Italy and its vicinity growing deeper, and its gradient for Westerly winds increasing considerably.

Thursday, 3rd November, 1910.

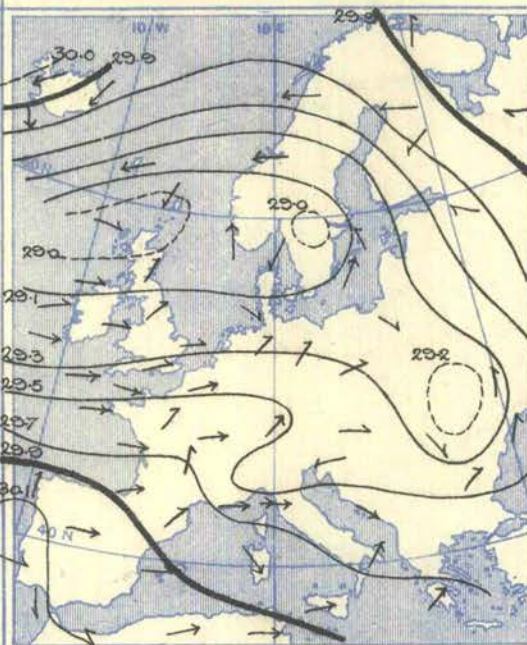
Temperature and Weather.

7 a.m.

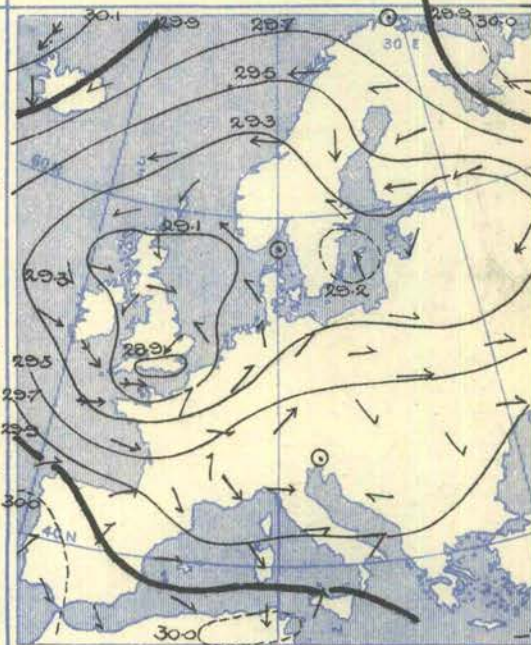


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy at some places in the west of these Islands and over France, as well as at a few stations in southern and central Europe. Snow falling at Hérnösand and Archangel. Very fine over the major portion of the Mediterranean region. Considerable or heavy amounts of rain over the United Kingdom and the nearer regions of the Continent later and also in Switzerland; smaller quantities in several other parts of our area.

Temperature fallen in England and at most stations in the northern half of the Continent. Readings in morning ranging from 7° at Archangel and below 32° over a very large area in the north and north-east of Europe to about 50° in the south of France and northern Italy, and to about 65° in the extreme south of our area. Maxima during day below 50° in most parts of this country, and only about 45° in central Europe and at some places in the east of France. Thermometer rising to above 70° in the far south of our area, and touching 81° at Tunis. Night minima lower than of late in this country.

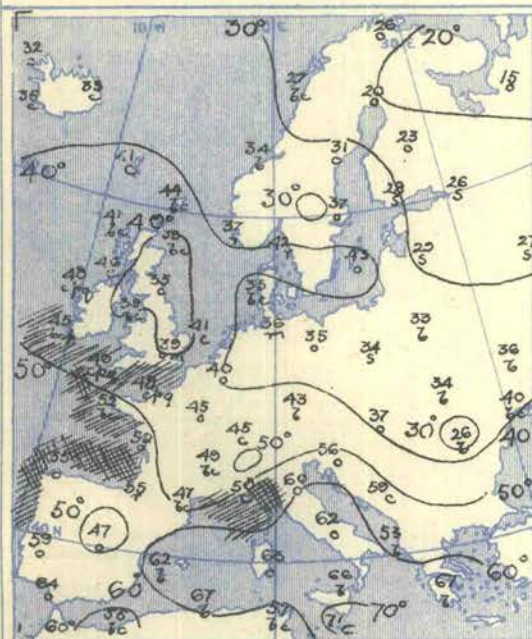
Wind in morning showing a vast cyclonic circulation over nearly the whole of our area, and including within it several local cyclonic movements. Easterly current fresh to high in the far north of Europe, and that from the Westward fresh to strong in the south and over the Mediterranean. Increasing to a gale from the Westward later on the Channel and the south coast of England, and also on the Bay of Biscay.

Barometer in morning above 30.1 ins. over Portugal and thence to Funchal, and not much lower in the extreme north-east and north-west of our area; below 29.0 ins. in a depression over the north of Scotland and Shetland, and also in another minimum over the south of Scandinavia, and below 29.2 ins. in a third over the eastern portion of central Europe. Pressure decreasing quickly in the south-west and west of these Islands during day, and a small secondary disturbance advancing from the Atlantic across Wales and the south of England. Pressure continuing to increase in the north of these Islands and in Iceland.

Friday, 4th November, 1910.

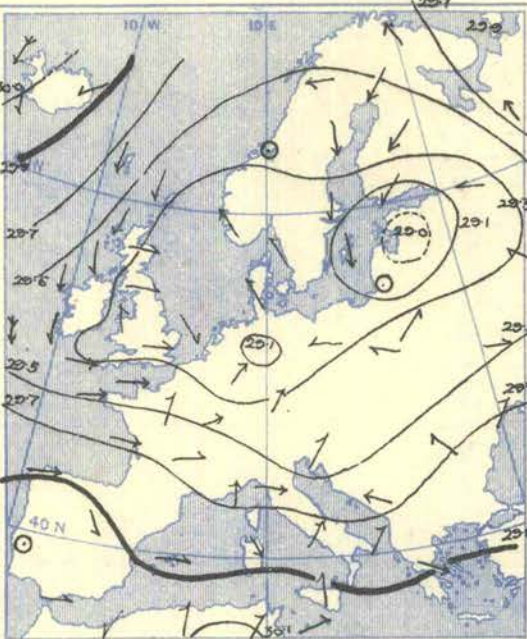
Temperature and Weather.

7 a.m.

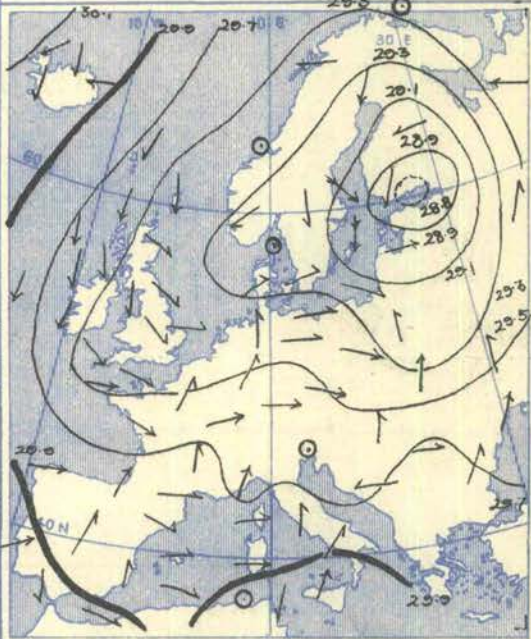


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning unsettled, with much cloud over these Islands and northern and western Europe generally. Rain falling in several places, and snow over the Gulf of Finland, as well as at Breslau and Moscow. Fair to bright over most of southern Europe, but rainy at Oporto, Bilbao, and Biarritz. Rain in varying quantity experienced later over the greater portion of our area, the measurements being heavier in the north of France and at Lisbon and Funchal than elsewhere.

Temperature changed rather irregularly. Morning readings ranging from much below 32° in the north-east of our area to a little below 40° in most parts of Great Britain and central Europe, and to between 60° and 70° in the extreme south; highest figure, 71° at Malta. Maxima during day below 50° over a large district in England, as well as in nearly all of central Europe, and also in the east of France. Thermometer rising to 81° at Sfax, and to 70° or above at many other stations in the south. Frost continuing all day at St. Petersburg; minima at night below 32° in England.

Wind in morning circulating cyclonically over all the northern and central regions. Northerly current strong to a gale in Iceland and fresh on our extreme north-west coasts; Westerly current fresh to strong over the Bay of Biscay, France, and the Channel. Decreasing somewhat in most places, but blowing a gale from the Northward over the upper portion of the Baltic.

Barometer in morning above 30.0 ins. in the north-west of Iceland and relatively high both in the north-east and south-west of our area; below 29.0 ins. in a very large depression having its chief minimum near Riga. Russian depression moving north-eastward during day, and pressure increasing steadily over the western and north-western countries generally. Little modification occurring in the general distribution of pressure.

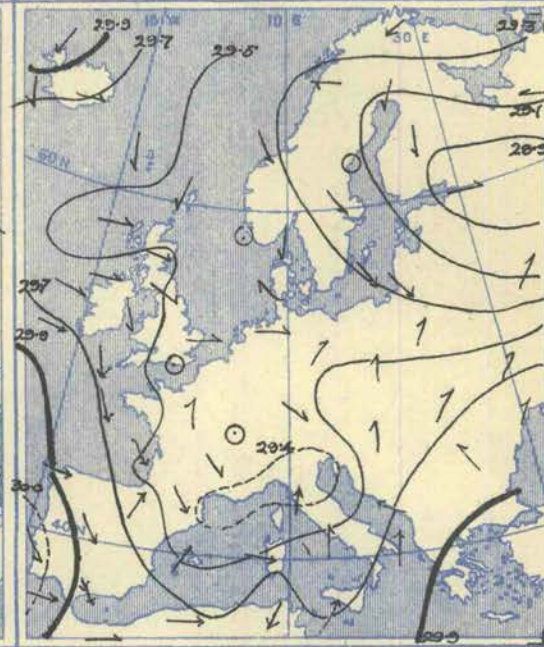
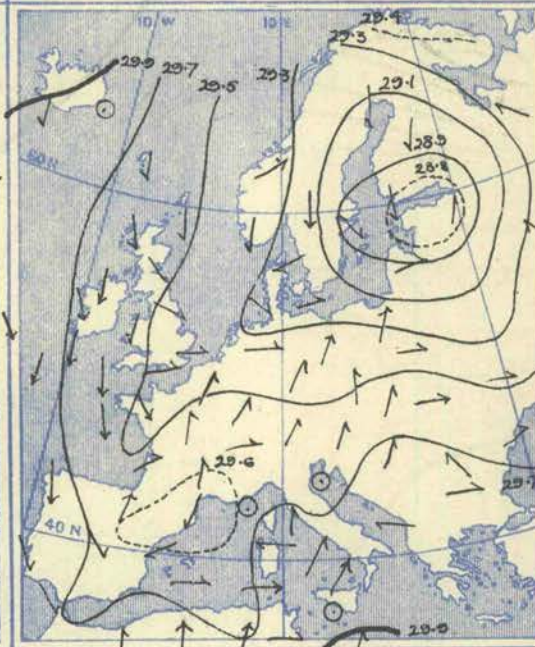
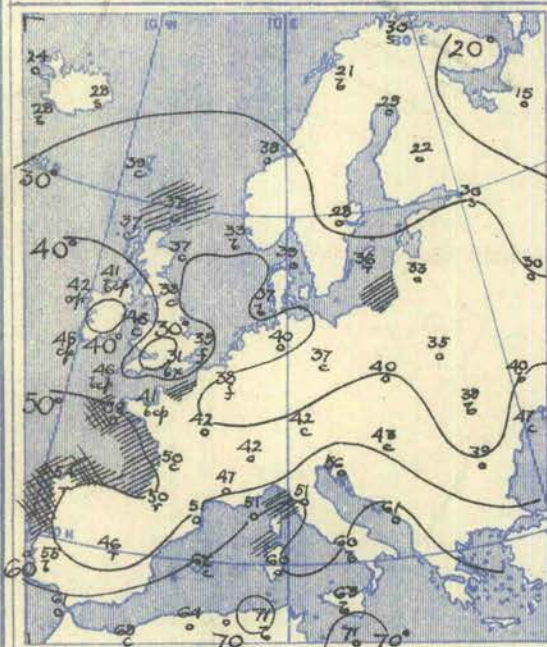
Temperature and Weather.

Barometer and Wind.

7 a.m.

7 a.m.

6 p.m.



Temperature fallen generally. Morning readings below 32° in some parts of England, and below 20° in the north of Russia; about 40° at several stations in central Europe, about 60° in the southern half of Italy, and as high as 71° at Cape de Garde and Malta. Maxima during day as low as 45° in some parts of southern England, and only about 50° in the north of France. Maxima below 50° over the east and south-east of France, and throughout Germany, but above 70° over a considerable area on the Mediterranean, and as high as 88° at Tunis. Slight frost at night at many places in this country.

Barometer in morning above 29.9 ins. in the north-west of Iceland, and also at some distance to the westward of Ireland. Below 28.8 ins. in a depression covering the Gulf of Finland, and relatively low in a secondary of a "V" shaped character extending thence to Brittany. Rather low in an ill-defined disturbance lying to the south of Iceland. Latter system increasing rapidly in depth later and approaching the west coast of Scotland. A rather deep depression developing over the North of Italy and the Riviera.

90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Oct. 25th, 9.35 a.m. to 10.30 a.m.	Pyrton Hill, Oxon. 150 m.	{ Temperature Humidity .. Wind	286° 5' 90% 90°, 7	286° 85% 100°, 9	283° 100% 110°, 12					286° 5' 80% 120°, 9	{ Inversion at 600 m. Clouds at 400 m. Wind quite failed above.
2	Oct. 30th, 10.0 a.m. to 12.10 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	285° 0' 80% 40°, 11·2	282° 0' 85% 50°, 13·4	279° 0' 75% 7°, 15·7						{ Overcast stratus. Thick Scud at 435 m. above sea. Kite not fly- ing true at 500 m.
3	Nov. 3rd, 11.0 a.m. to 12.45 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	280° 100% 270°, 6·7	279° 100% 220°, gusty.	277° 100% 240°, 4·5					273° 5' 100% ?, 6·7	{ Overcast nimbus, 915 m. At descent, wind backed to 160°, increasing in force with heavy rain.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3
No. of Kites.. .. .	1	1	1
Area of Surface (sq. metres) ..	7	5	7
Length of Wire (metres) ..	1,200	800	1,300

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 361

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 45. FORTY-FIFTH WEEK, SUNDAY, NOVEMBER 6TH, TO SATURDAY, NOVEMBER 12TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather. The general condition was very rough and unsettled, with frequent falls of rain in all districts, alternating with occasional fine intervals. Snow and sleet were experienced at times in Scotland and the North of England. Thunderstorms occurred on Monday at a few places in the south-west of England, and at Hastings, as well as at Colmonell, and lightning was observed early in the week in many other parts of the Kingdom.

Temperature was much below the average, the deficit being about 8° in Scotland E. and W., between 5° and 7° in most other parts of Great Britain, and between 4° and 5° in Ireland. The highest of the maxima were recorded on the 6th or 7th at most stations, but in several places they occurred on the 12th, the readings ranging from 58° in the English Channel and 56° in England S.W. and Ireland S. to 46° in Scotland E. The absolute minima were much lower than during the preceding week; at the greater number of the stations they were registered either on the 9th or 10th, and ranged from 17° in Scotland E. and 20° in Scotland W. and England N.W. to 26° in the Midland Counties, and to 35° in the English Channel. The lowest readings on the grass were 10° at West Linton, 11° at Llangammarch Wells, 13° at Dumfries, 14° at Balmoral and Burnley, and 15° at Newton Rigg.

Mean Temperature of the Sea.—The water differed little in warmth from that of the corresponding week of last year on the coast generally, its temperature being a little higher in some localities, and rather lower in others. The mean for the week ranged from 56° at Plymouth and above 50° at the other south-western, and at some north-western stations, to 44° at Kirkwall, and to 41° at Pennan Bay.

Rainfall was nearly equal to the average in England S.E., but in excess in all other districts. In Scotland and the northern parts of England and Ireland the total fall was heavy. Several stations in Scotland and the north-west and north of England had more than an inch either on the 10th or 12th, while at Crieff there was 1.06 in. on the 6th. The heaviest measurements were 1.32 in. and 1.86 in. at Bradford and Burnley respectively on the 10th, and 1.27 in. at Cally on the 12th.

Bright Sunshine showed a considerable excess in the north-east and south-east of England, and a less decided excess in all districts except Scotland W., where it just equalled the average. The percentage of the possible duration ranged from 43 in England S.E., and 36 in England E. to 22 in Scotland N. and to 19 in Scotland W.

Barometer and Wind.—With pressure high both in the Iceland-Greenland region and over the Spanish Peninsula and the neighbouring portion of the Atlantic, large and deep depressions travelled from the Ocean across the United Kingdom. Strong winds and gales were consequently very general during the greater part of the period, their direction being mainly between South-West and West or North-West over the southern districts, and at times in the north also. In the latter region, however, the wind was sometimes more variable in direction. Early in the week it blew a gale from the Eastward in the north of Scotland, and was subsequently strong to a gale from the Northward.

THE WEEK

For explanation of the terms "Unusual," &c., see p. 364.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth	...	Very deficient	Very deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient	Very deficient	Deficient	Deficient
	Rainfall	...	Heavy	Very heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy
	Sunshine	...	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 10 weeks from Sept. 4th, 1910.	Warmth ...	2 * 2	2 * 3	5 * 5	5 * 4	3 * 4	4 * 5	3 * 2	3 * 5	3 * 4	4 * 2	3 * 4	3 * 3
	Rainfall ...	2 * 7	2 * 7	1 * 7	3 * 5	2 * 3	3 * 4	1 * 5	3 * 7	2 * 5	2 * 6	1 * 5	3 * 4
	Sunshine ...	5 * 1	5 * 3	4 * 4	1 * 5	1 * 5	4 * 5	3 * 3	4 * 2	4 * 4	3 * 3	1 * 3	1 * 4

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

362 II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FORTY-FIFTH WEEK—November 6th to November 12th, 1910.																		
DISTRICTS. (See Frontispiece, map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	51	21	41·3	31·0	36·2	- 7·3	Day-deg. 0	Day-deg. - 24	Day-deg. 41	Day-deg. + 29	6	+ 1	Inches. 1·75	Inches. +0·49	13	+ 3	% 22	% + 6
Eastern																		
1. SCOTLAND, EAST	46	17	40·7	28·4	34·6	- 8·2	0	- 24	52	+ 35	5	+ 1	1·56	+0·80	18	+ 5	30	+ 8
2. ENGLAND, N.E.	51	25	44·4	31·0	37·7	- 6·9	7	- 22	40	+ 30	5	+ 1	0·92	+0·34	22	+ 8	35	+13
3. ENGLAND, EAST	54	25	47·4	32·6	40·0	- 5·1	15	- 18	37	+ 26	5	+ 1	0·80	+0·27	23	+ 6	36	+ 9
4. MIDLAND COUNTIES	55	26	46·8	31·0	38·9	- 5·4	13	- 18	42	+ 29	5	+ 1	0·91	+0·28	18	+ 5	29	+ 8
5. ENGLAND, S.E.	54	22	49·8	32·8	41·3	- 5·6	22	- 19	38	+ 31	5	+ 1	0·74	-0·03	27	+11	43	+18
Western																		
6. SCOTLAND, WEST	51	20	43·5	30·3	37·0	- 7·9	4	- 26	43	+ 35	5	0	2·11	+0·79	12	0	19	0
7. ENGLAND, N.W.	54	20	45·9	33·8	39·8	- 5·9	11	- 22	31	+ 24	6	+ 1	1·74	+0·87	14	+ 2	23	+ 3
8. ENGLAND, S.W.	56	22	49·9	35·9	42·9	- 4·5	32	- 8	17	+ 12	5	0	1·31	+0·23	19	+ 3	29	+ 5
9. IRELAND, NORTH	53	24	47·0	33·8	40·4	- 4·9	14	- 18	32	+ 24	6	+ 1	1·37	+0·41	16	+ 2	26	+ 2
10. IRELAND, SOUTH	56	25	49·6	35·4	42·5	- 4·3	31	- 10	18	+ 11	6	+ 1	1·25	+0·22	21	+ 4	33	+ 7
11. ENGLISH CHANNEL	58	35	52·8	41·3	47·1	- 3·7	39	- 23	2	+ 2	7	+ 2	1·34	+0·35	20	+ 1	31	+ 2
THE SEASON (Autumn).—Aggregates, &c., for the Period of 10 Weeks, September 4th to November 12th, 1910.																		
0. SCOTLAND, NORTH	68	21	*	*	*	*	475	- 2	78	+ 23	42	- 8	6·71	-4·97	206	+ 20	27	+ 3
Eastern																		
1. SCOTLAND, EAST	72	17	*	*	*	*	487	- 22	92	+ 20	31	-10	5·02	-1·51	230	+ 10	30	+ 1
2. ENGLAND, N.E.	74	25	*	*	*	*	622	+ 21	66	+ 33	28	- 9	3·98§	-1·73	230	- 13	30	- 2
3. ENGLAND, EAST	75	25	*	*	*	*	723	+ 41	48	+ 9	30	- 6	4·18	-1·22	224	- 49	29	- 6
4. MIDLAND COUNTIES	76	25	*	*	*	*	619	- 9	57	+ 7	29	- 7	4·80	-0·98	191	- 47	25	- 6
5. ENGLAND, S.E.	74	22	*	*	*	*	763	- 5	46	+ 21	29	- 6	5·62	-0·98	265	- 10	34	- 1
Western																		
6. SCOTLAND, WEST	69	20	*	*	*	*	564	- 5	70	+ 32	29	-13	6·85	-4·00	227	+ 5	29	+ 1
7. ENGLAND, N.W.	73	20	*	*	*	*	619	- 24	44	+ 20	30	-10	5·92	-2·19	235	+ 9	30	+ 1
8. ENGLAND, S.W.	71	22	*	*	*	*	721	- 10	22	+ 4	33	- 8	3·20	-0·91	269	+ 7	35	+ 1
9. IRELAND, NORTH	69	24	*	*	*	*	617	+ 20	44	+ 15	32	-14	5·20	-3·11	226	+ 7	29	+ 1
10. IRELAND, SOUTH	70	25	*	*	*	*	686	+ 1	24	- 1	39	- 2	5·91	-2·17	221	- 33	28	- 4
11. ENGLISH CHANNEL	74	35	*	*	*	*	919	- 18	2	+ 2	39	- 5	9·36	+1·46.	312	- 10	40	- 1
THE YEAR.—Aggregates, &c., for the Period of 45 Weeks, January 2nd to November 12th, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	2081	+ 50	673	+ 61	205	- 5	41·61	-1·48	1140	+ 69	28	+ 2
Eastern																		
1. SCOTLAND, EAST	80	-10	*	*	*	*	2169	- 110	728	+ 36	175	+ 1	27·74	+1·64	1258	- 14	31	0
2. ENGLAND, N.E.	81	6	*	*	*	*	2650	+ 99	520	+ 12	162	+ 5	20·74§	-0·43	1283	- 94	32	- 2
3. ENGLAND, EAST	83	17	*	*	*	*	3029	+ 82	441	-119	165	+ 13	21·30	+0·99	1402	- 98	35	- 2
4. MIDLAND COUNTIES	83	10	*	*	*	*	2854	- 10	531	- 52	164	+ 13	23·62	+1·08	1254	- 72	31	- 2
5. ENGLAND, S.E.	81	13	*	*	*	*	3124	- 63	340	- 66	163	+ 18	24·80	+2·09	1456	- 63	36	- 2
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	2526	+ 54	502	+ 39	181	- 1	40·03	+0·33	1394	0	32	0
7. ENGLAND, N.W.	81	7	*	*	*	*	2701	- 9	382	- 28	184	+ 16	32·51	+3·19	1377	+ 54	34	+ 1
8. ENGLAND, S.W.	81	8	*	*	*	*	2945	- 78	264	- 55	178	+ 12	35·42	+3·66	1467	- 12	37	0
9. IRELAND, NORTH	79	7	*	*	*	*	2595	+ 11	395	+ 21	200	+ 2	34·49	+2·32	1221	+ 11	30	0
10. IRELAND, SOUTH	79	18	*	*	*	*	2957	- 14	282	- 2	210	+ 34	36·31	+3·05	1290	- 72	32	- 2
11. ENGLISH CHANNEL	79	28	*	*	*	*	3444	- 79	56	- 53	181	+ 4	31·83	+5·25	1661	-138	42	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 ‡ The corresponding value for Report No. 44 slightly altered owing to the receipt of further information.
 § The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *s* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.
			Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.			
						Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°	Below 42°	
0. SCOTLAND, N.	a, Islands.																			
	p Baltasound	42	7, 9, 10th	29	12th	46.4	34.0	37.2	—	Day	Day	7	1.36	—	9.8	—	18	—	Baltasound.	
	a Sumburgh Head	51	6th	32	12th	43.3	34.4	38.9	- 4.7	4	28	7	1.75	+ 0.83	13.4	+ 1.6	24	+ 3	Deerness.	
	a Stornoway	45	12th	28	10th, 11th	42.7	31.1	36.9	- 7.0	2	39	6	1.75	+ 0.42	14.6	+ 2.2	25	+ 4	Stornoway.	
	a Castlebay, Barra Isd.	49	12th	35	8th	45.6	37.3	41.5	- 4.0	10	19	5	2.65	—	18.0	—	30	—	Castlebay.	
	a Wick	45	6, 9, 12th	23	11th	43.6	32.7	38.2	- 5.2	4	34	6	2.54	+ 1.89	—	—	—	—	Strathpeffer.	
	p Strathpeffer	42	8th	27	10th, 11th	39.5	30.6	35.1	- 7.4	0	48	6	1.62	+ 0.97	17.5	+ 3.8	30	+ 7	Strathpeffer.	
	p Glencarron	42	8th	24	10th	39.5	30.0	34.8	- 7.4	0	50	6	2.43	+ 0.33	—	—	—	—	Fort Augustus.	
	p Fort Augustus	44	8th	21	10th, 11th	40.3	28.3	34.3	- 8.9	0	54	5	1.25	+ 0.26	6.6	- 1.4	11	- 2	Fort Augustus.	
	p Fort William	42	7th	22	10th	40.1	28.7	34.9	- 8.8	0	50	5	0.93	+ 0.90	—	—	—	—	Fort William.	
1. SCOTLAND, E.	a, Islands.																			
	p Gordon Castle	46	7th	22	11th	41.3	29.0	35.2	- 8.2	0	48	6	1.74	+ 1.06	16.3	—	28	—	Gordon Castle.	
	a Nairn	45	7th	22	11th	40.0	29.0	34.5	- 8.3	0	53	6	1.22	+ 0.74	16.7	—	28	—	Nairn.	
	a Aberdeen	44	6th, 12th	28	11th	42.1	31.3	36.7	- 6.9	0	38	6	1.87	+ 1.19	19.8	+ 4.2	34	+ 7	Aberdeen.	
	a Balmoral	46	12th	18	10th	40.7	29.0	31.9	- 8.1	0	71	4	1.73	+ 0.83	19.1	—	32	—	Crathes S.	
	p Crieff	43	11th	26	10th	40.1	28.8	34.5	- 8.5	0	53	2	1.62	+ 0.62	21.1	—	35	—	Blalduddy	
	a Leith	43	6, 7, 8, 11	26	11th	42.1	32.6	37.4	- 7.4	0	33	3	1.11	+ 0.66	—	—	—	—	Edinburgh.	
	a West Linton	40	7, 11, 12th	17	10th	39.4	24.6	32.0	- 9.5	0	70	4	1.41	—	17.1	—	29	—	West Linton.	
	p Marchmont	42	11th	23	10th	39.9	29.0	34.5	- 7.8	0	53	5	1.76	+ 1.00	13.0	- 1.0	22	- 2	Marchmont.	
	a, Islands.																			
2. ENGLAND, N.E.	a, North.																			
	a Alnwick Castle	45	12th	28	6th, 10th	43.1	30.7	36.9	- 7.1	3	40	6	1.33	+ 0.55	23.3	—	38	—	Cockle Park.	
	a Shields	48	12th	28	10th, 11th	44.6	29.9	37.3	- 7.4	7	45	6	0.87	+ 0.30	12.4	+ 2.5	20	+ 4	Newcastle.	
	p Durham	47	8th	25	10th	42.3	29.8	36.1	- 7.5	1	43	5	0.77	+ 0.17	24.3	+ 9.6	39	+ 16	Durham.	
	p Rounton	45	11th	25	10th	42.5	30.0	36.3	- 7.1	1	43	4	0.90	+ 0.26	—	—	—	—	Scarborough.	
	p Scarborough	45	—	30	9th	—	33.9	—	—	—	5	0.55	- 0.07	24.7	—	40	—	York.		
	p York	47	8th	27	6th	44.4	30.7	37.6	- 6.8	7	42	5	1.22	+ 0.71	16.3	+ 4.3	26	+ 7	—	
	a Spurn Head	48	12th	34	9, 10, 11th	45.4	35.3	40.4	- 5.6	10	26	5	0.87	+ 0.43	—	—	—	—	Skegness.	
	a Lincoln	51	12th	29	10th, 12th	46.3	31.0	38.7	- 5.5	12	42	5	1.10	+ 0.64	23.6	—	38	—	Rauncy.	
	a Fulbeck	50	12th	27	10th	46.4	30.5	38.5	- 5.5	12	44	5	0.71	+ 0.24	18.1	—	29	—	Lowestoft.	
3. ENGLAND, E.	a, North.																			
	p Cromer	48	6th	29	9th	46.6	33.9	40.3	- 3.5	13	32	6	1.04	—	22.6	—	36	—	Cromer.	
	p Hillington	50	6th, 7th	25	9th	45.3	30.8	38.1	- 7.2	9	42	5	1.25	+ 0.65	19.4	+ 4.3	31	+ 7	Hillington.	
	a Yarmouth	48	6th	31	9th, 10th	46.6	32.7	39.7	- 5.8	13	43	5	0.90	+ 0.32	27.3	—	43	—	Yarmouth.	
	a Norwich	48	6, 7, 10, 12th	29	9th	46.6	32.6	39.6	- 4.6	13	36	5	1.40	—	—	—	—	—	Geldeston.	
	p Geldeston	51	7th	28	9th	47.7	32.9	40.3	- 5.1	16	36	5	0.85	+ 0.29	26.5	+ 9.4	42	+ 15	Cambridge.	
	p Cambridge	51	6th	26	9th	48.1	31.0	39.6	- 5.2	17	43	4	0.55	+ 0.07	24.0	+ 7.4	38	+ 12	Felixstowe.	
	a Felixstowe	51	6th	30	9th	47.9	33.6	40.8	- 5.6	17	34	6	0.58	—	24.9	—	39	—	Clacton.	
	a Clacton-on-Sea	51	7th	31	9, 10, 11th	48.3	32.7	40.5	- 5.7	18	37	6	0.35	—	21.7	—	34	—	Rothamsted.	
	a Rothamsted	51	6th	26	12th	47.5	30.8	39.2	- 4.8	15	43	5	0.49	+ 0.16	23.5	+ 6.7	37	+ 11	Southend.	
4. MIDLAND COUNTIES.	a, South.																			
	a Shoeburyness	51	6, 7, 10th	31	12th	49.3	34.1	41.7	- 5.0	20	33	5	0.11	- 0.34	27.4	—	43	—	Tottenham.	
	p Tottenham	54	12th	31	12th	49.7	35.6	42.7	- 2.7	32	18	4	0.35	—	19.9	—	31	—	Tottenham.	
	a Harrogate	45	8th	27	10th	42.0	31.0	36.5	- 7.0	0	39	5	1.89	+ 1.22	16.5	—	27	—	Harrogate.	
	a Bawtry	47	6th	28	9th, 10th	45.6	31.7	38.7	- 5.6	10	39	5	1.04	+ 0.61	12.9	- 0.2	21	0	Workshop.	
	p Buxton	44	6th	25	10th, 12th	42.3	29.0	35.7	- 6.0	1	46	6	2.27	+ 1.07	12.4	—	20	—	Buxton.	
	a Nottingham	51	12th	27	6, 9, 10, 11	47.7	28.9	38.3	- 6.4	16	50	5	0.72	+ 0.25	12.9	—	21	—	Nottingham.	
	p Birmingham, Edgbn	48	6th, 7th	31	6th	45.6	33.6	39.6	- 3.9	10	32	5	0.72	+ 0.17	13.2	—	21	—	Birmingham.	
	a Raunds	50	7th	26	10th	47.5	30.3	38.9	- 5.1	15	45	4	0.75	—	—	—	—	—	Oxford.	
	a Oxford	51	6th	27	6th	48.3	31.3	39.8	- 5.2	18	42	6	0.32	+ 0.24	24.3	+ 8.3	38	+ 13	Sheffield.	
5. ENGLAND, S.E.	a, East.																			
	a Chislehurst	48	12th	28	12th	43.0	30.9	37.0	- 6.5	3	40	5	1.52	+ 0.86	13.9	—	22	—	Chislehurst.	
	p Shrewsbury	52	6th	28	6th	48.1	32.1	40.1	- 4.9	17	39	7	0.60	—	—	—	—	—	Shrewsbury.	
	a Hereford	51	6th, 10th	28	6th, 10th	48.4	30.6	39.5	- 5.2	18	44	4	0.59	+ 0.03	—	—	—	—	Hereford.	
	a Cirencester	55	6th	26	6th, 9th	47.8	29.2	38.5	- 4.9	16	49	5	0.71	+ 0.04	21.8	+ 5.8	34	+ 9	Cirencester.	
	a Bath	52	6, 7, 12th	27	6th, 10th	50.6	30.9	40.8	- 5.2	24	45	5	1.18	+ 0.49	25.0	—	39	—	Bath.	
	a Kew	51	6th	29	12th	48.1	33.2	40.7	- 4.7	17	35	5	0.26	- 0.28	23.3	+ 9.2	36	+ 14	Kew.	
	a Marlborough	50	6th	23	10th	48.6	28.6	38.6	- 5.1	18	52	5	0.76	- 0.01	15.7	+ 0.6	25	+ 1	Marlborough.	
	a Margate	53	7th	33	9th, 12th	49.9	36.2	43.1	- 3.9	32	16	4	0.66	+ 0.06	29.7	+ 12.5	46	+ 20	Margate.	
	a Wisley, Surrey	52	6th	29	12th	49.1	32.4	40.8	- 5.3	20	39	5	0.23	—	26.1	—	41	—	Wisley.	
6. ENGLAND, S.W.	a, South.																			
	a Swaraton	51	6th, 10th	22	10th	48.5	27.3	37.9	- 6.5	18	56	4	0.40	- 0.37	31.7	—	49	—	Worthing.	
	a Tunbridge Wells	54	7th	27	12th	48.3	30.8	39.6	- 5.5	18	44	4	0.61	+ 0.17	29.6	+ 11.8	46	+ 19	Tunbridge Wells.	
	a Dungeness	51	7th	27	10th	51.0	30.7	40.9	- 6.9	25	46	5	1.89	+ 1.27	31.5	—	49	—	Littlestone.	
	p Hastings	53	6th	31	10															

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	39.0	—	Harrogate	5	21	42.3	46.2	6. Dumfries	5	13	40.1	48.1
1. Aberdeen	—	—	—	—	Huddersfield	4	20	40.5	48.5	Douglas	3	28	—	—
Crathes	6	18	40.0	46.5	Buxton	7	20	39.4	48.4	Aspatia	5	16	40.1	48.4
Balmoral	7	14	—	—	Sheffield	4	23	41.8	49.3	Newton Rigg	7	15	43.8	48.0
West Linton	7	10	—	—	Nottingham	6	22	38.4	47.9	Burnley	5	14	40.1	48.4
Marchmont	5	18	38.0	—	Birmingham	5	24	41.7	49.1	Southport	4	17	40.6	47.5
Cockle Park	6	20	38.3	44.5	Oxford	4	23	—	—	Manchester City	2	26	40.8	50.4
Durham	5	17	—	—	Hereford	5	22	43.3	49.2	Bettws-y-Coed	3	29	40.9	48.3
York	—	—	44.0	50.2	Gloucester	—	—	45.1	52.0	Llangammarch Wells	7	11	43.0	50.3
Hull	6	20	40.0	49.9	Margate	2	29	45.1	50.7	Cardiff	4	24	42.2	50.1
Lincoln	—	—	41.0	49.6	Greenwich	4	21	—	—	Clifton	5	23	—	—
Raunceby	4	22	41.4	50.2	Westminster	6	22	42.5	50.9	Plymouth	3	25	45.8	—
Norwich	6	21	—	—	Kew	5	18	—	—	9. Armagh	5	21	44.1	50.0
Yarmouth	—	—	40.7	50.7	Canterbury	5	23	42.2	49.7	Markree	5	16	44.6	51.0
Lowestoft	3	26	42.6	50.6	Tunbridge Wells	6	16	43.5	—	10. Dublin, Trin. Coll. ..	5	19	43.0	49.9
Cambridge	5	20	41.6	50.1	Wisley	4	20	41.9	49.8	11. Guernsey, Brooklyn	2	27	48.5	53.9
Clacton-on-Sea	4	23	45.3	52.2	Worthing	5	22	43.5	52.1					
Southend	4	23	44.9	—	Portsmouth	4	23	44.7	51.8					
Tottenham	4	22	—	53.0	6. Glasgow	4	16	—	—					
					Rothsay	—	—	—	47.6					
					Colmonell	5	20	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	48	46	47.1	SCOTLAND, W.	Lamlash	51	50	50.5
	Kirkwall	47	41	43.8		Ballantrae	48	44	45.9
	Wick	50	48	49.3	ENGLAND, N.W.	Port Erin	52	50	50.7
SCOTLAND, E.	Cromarty	47	43	45.6		Newquay	55	54	54.6
	Pennan Bay	43	38	40.9	ENGLAND, S.W.	Scilly	53	50	52.1
ENGLAND, N.E.	Aberdeen, Cove Bay	50	46	47.9		Plymouth	57	56	56.2
	Burnmouth, Berwick	47	45	46.8		Salcombe	54	50	51.5
ENGLAND, E.	Scarborough	48	45	46.8	IRELAND, N.W.	Sheephaven	49	47	48.0
	Shipwash Lightship	53	46	49.7		Teelin	50	44	47.0
ENGLAND, S.E.	Margate	51	45	47.4	IRELAND, S.W.	Cleggan	49	44	47.0
	Eastbourne	50	48	49.4	IRELAND, F.	Seafield	51	48	49.5

‡ Only one observation each day.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11
No. of Kites	—	1	1	1	—	—	1	—	—	1	1
Area of Surface (sq. metres) ..	—	4	4	7	—	—	7	—	—	7	7
Capacity of Balloon (cub. metres) ..	0.11	—	—	—	—	0.48	—	0.11	0.48	—	—
Length of Wire (metres) ..	—	1,200	750	1,800	—	—	2,400	—	—	1,000	1,200

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\Rightarrow$ = a gale; $\Rightarrow$ = a fresh to strong breeze; $\Rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

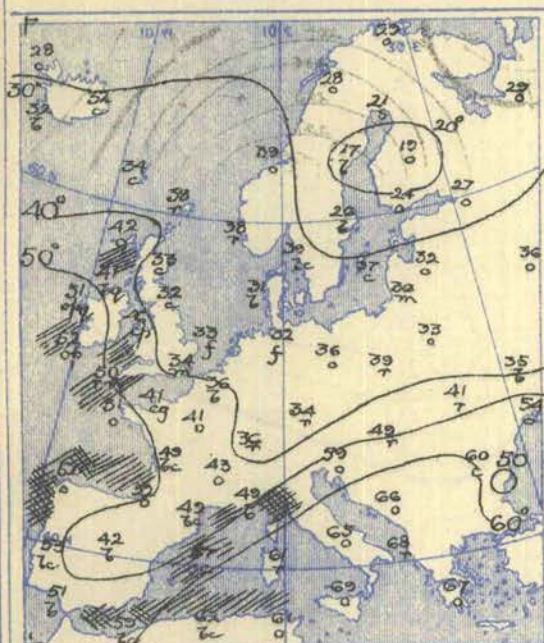
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France 6.51 in Algeria 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 6th November, 1910

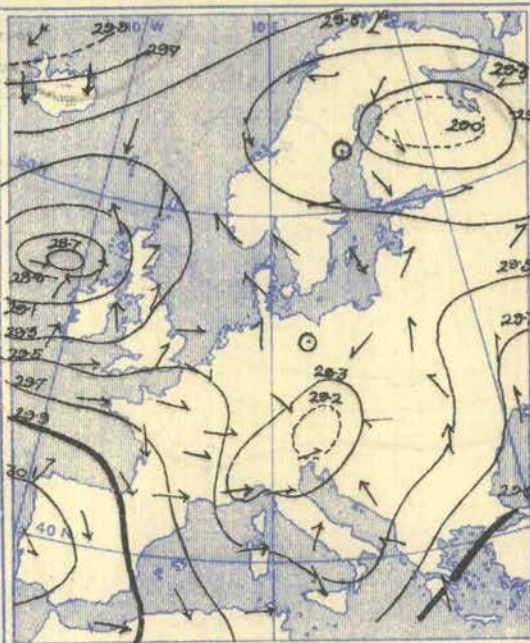
Temperature and Weather.

7 a.m.

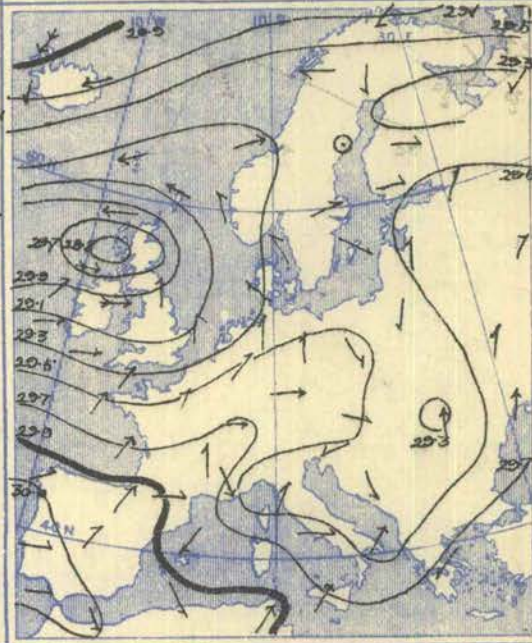


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rather rough and squally in the west and north-west of these Islands, with rain in several places; rainy and squally in many localities in southern Europe and on the Mediterranean, and dull and rainy in some central regions. Fine and bright in various parts of Spain and Scandinavia. About 0.9 in. of rain later at Castlebay and on the coast of Kent, and about 0.5 in. in some other parts of these Islands. Thunderstorms occurring at Valencia and Dover. Some rain falling in central Europe and Italy.

Temperature in morning below 32° in central England and below 20° at some stations in the north of the Continent; about 40° over a large portion of France and northern Italy, but above 65° in the south of Italy, and as high as 69° at Palermo. Maxima during day about 50° at many of our stations, but below it in the east of England and over the greater part of central Europe and eastern France. Thermometer rising to 78° at Brindisi and Patras, and to 80° at Malta.

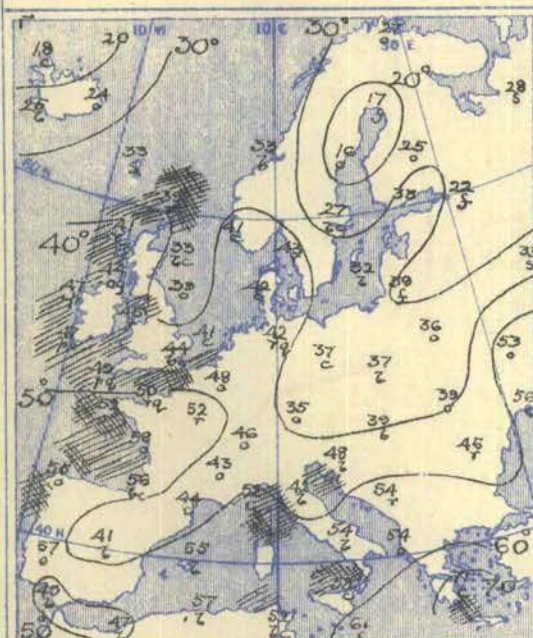
Wind in morning moderate to high from the South-Westward on our south-west coasts, light from the Southward in the north, and moderate to a gale from North and North-East in Iceland. A Westerly gale prevailing at Alicante and fresh to high winds from the same quarter at some other southern stations. A North-Easterly gale prevalent at Vardö. Increasing to a gale from the Westward later on the west and south coasts of these Islands, and from the Southward in the east of Scotland.

Barometer in morning above 30.1 ins. in Portugal; below 29.2 ins. in a depression having its centre south of Vienna, a little lower in another system over Finland, and below 28.7 ins. in a deep disturbance to the westward of Scotland. Western depression moving slowly eastward during day, and pressure decreasing decidedly over the whole of the United Kingdom. Barometer rising again in Iceland by evening. Continental disturbances moving slowly in an easterly direction.

Monday, 7th November, 1910.

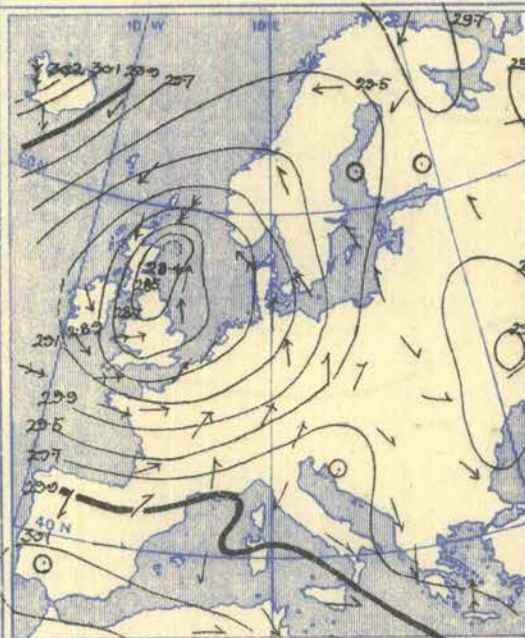
Temperature and Weather.

7 a.m.

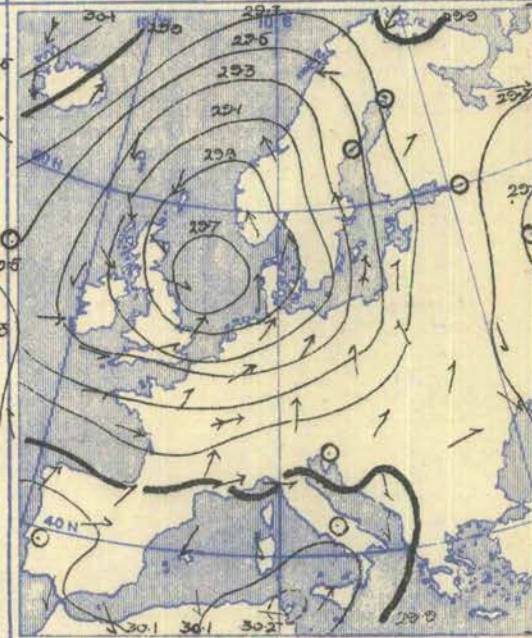


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning squally and rainy in several parts of these Islands and the regions immediately surrounding; fair to fine in most parts of southern Europe and the north of Africa, cloudy to dull in the north and north-east, with snow at Moscow and Archangel. Considerable or heavy rain later over the United Kingdom, France, Switzerland, and at various places in Scandinavia, Denmark, and the Netherlands. Thunderstorms at Blacksod Point and Stornoway.

Temperature risen in England, France, the Netherlands, and Denmark. Morning readings below 20° in the north of Sweden and below 32° in the north-east of Europe generally; about 50° in the south-west of England and Brittany, and also in several parts of Italy and Spain; above 60° at a few stations in the extreme south of our area, and as high as 71° at a few stations in the extreme south of our area, and as high as 71° at Athens. Maxima during day between 45° and 55° in the south of this country, above 60° very generally in the south of the Continent and above 70° in places; highest value, 78° at Brindisi.

Wind in morning showing an extensive cyclonic circulation over the United Kingdom and the western countries of the Continent, and some minor movements elsewhere. Westerly current strong to a gale on our west and south coasts, and that from the East blowing a whole gale at Wick. Little change during day in the general currents, but veering to North and decreasing in force at Wick. Southerly current over Scandinavia increasing in strength.

Barometer in morning above 30.2 ins. in the north-west of Iceland and above 30.1 ins. in Algeria and the south of Spain; below 28.4 ins. in a deep depression having its minimum over the north-east of Scotland, below 29.3 ins. in another minimum near Kieff, and below 29.6 ins. in a smaller disturbance on the Riviera. Scottish depression travelling eastward during day, but gradient continuing steep over these Islands, and increasing over the Netherlands, Germany, and Scandinavia.

Tuesday, 8th November, 1910.

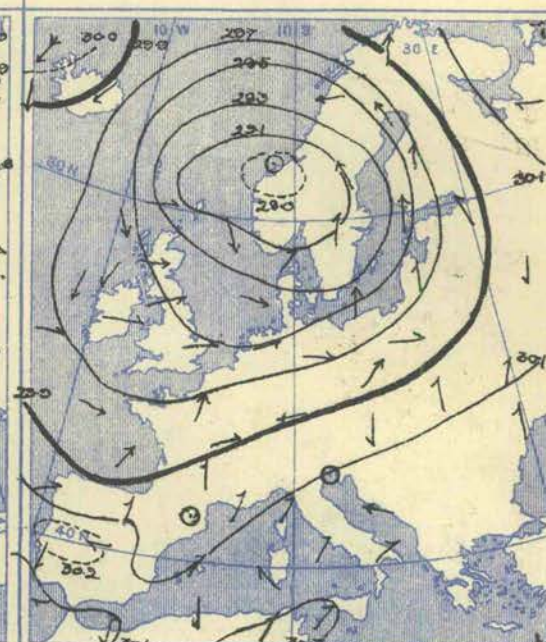
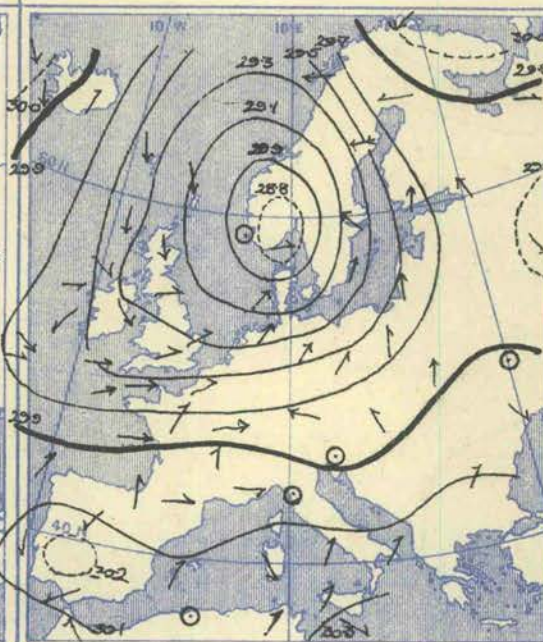
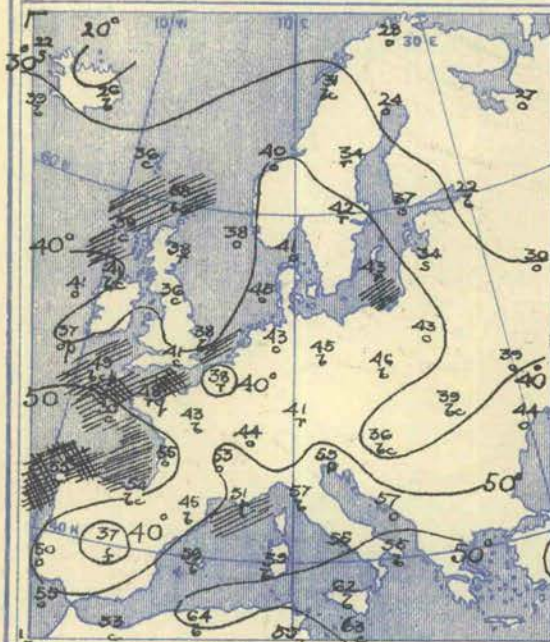
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning rather variable over these Islands and the other north-western countries; rainy or showery in places, but fair to fine generally. Fine and bright at most stations in the south of our area, but rain falling at Naples. Some rain, sleet, and hail later in most places in this country, and lightning in many localities at night. Rather heavy rain experienced in different parts of western and north-western Europe, and also in Switzerland, and at Carlsruhe: as much as 1.4 ins. at the latter station.

Temperature risen in Scandinavia, fallen over the greater part of this country and France. Morning readings below 32° in the north-east of the Continent, and below 40° in many parts of the United Kingdom; above 60° at many places on the shores of the Mediterranean, but below 40° in central Spain. Maxima during day below 50° very generally in these Islands and in various parts of central Europe, and below 32° in the extreme north and north-east of our area. Thermometer rising to 77° at Tunis and to above 70° at other places in the far south. Frost over a large area in this country at night.

Wind in morning showing a very extensive cyclonic circulation over the northern and western countries, the Westerly current blowing a fresh or strong breeze or high wind on our south-western and southern coasts, as well as in the Low Countries, that from South-West being strong over Germany and Denmark, and that from the Eastward blowing a gale at Hernösand. Light to moderate breezes, mainly from the Westward, in the south of our area. Decreasing in force later in the south of these Islands and the nearer regions of the Continent, but increasing to a gale from South at Wisby, and to a high wind from West in Shetland.

Barometer in morning below 28.8 ins. in a very large depression having its minimum over the south of Norway; above 30.2 ins. in some localities in the extreme south of our area, and above 30.0 ins. both in the far north of the Continent, and in the north-west of Iceland. Low pressure centre moving northward and eastward later, and gradient increasing in the neighbourhood of Shetland. Some secondary systems passing south-eastward over these Islands.

Wednesday, 9th November, 1910.

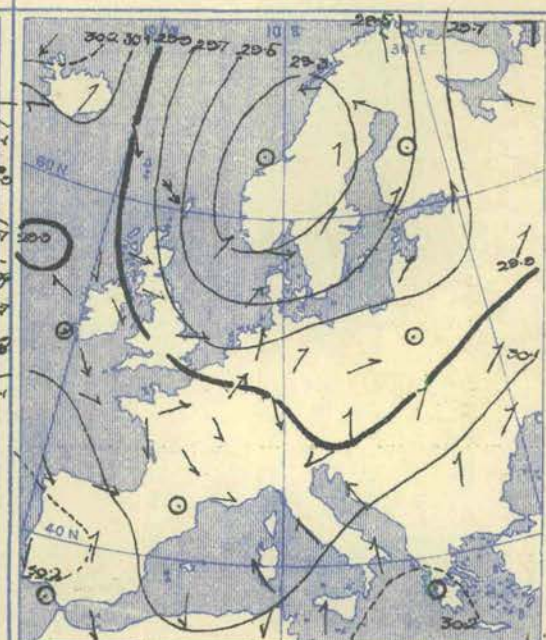
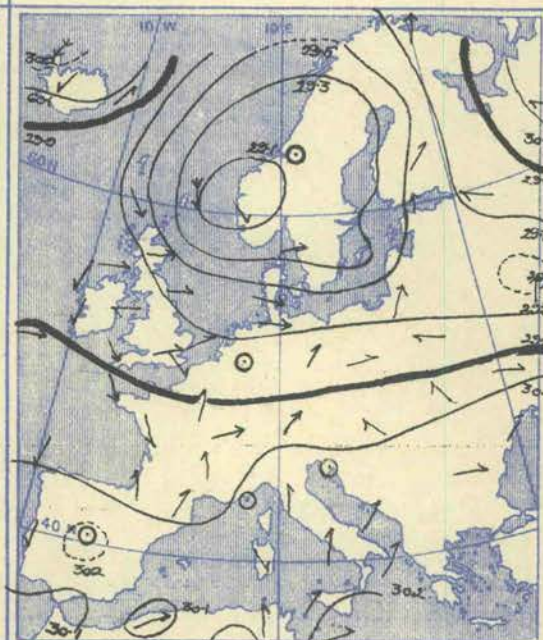
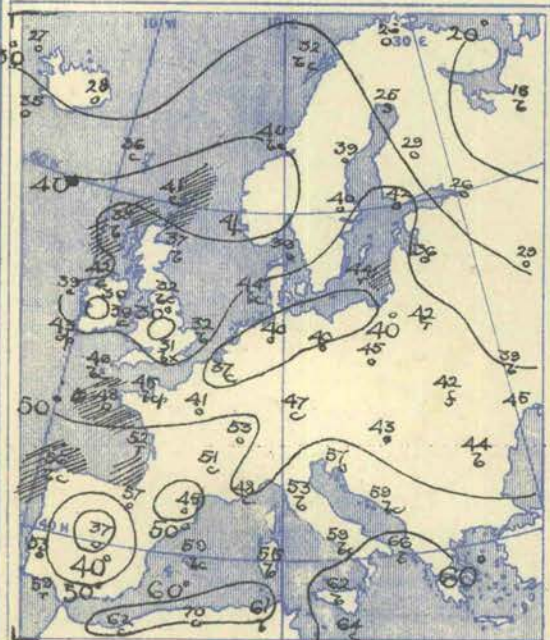
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning generally unsettled over the western and north-western countries, with showers or steady rain in some localities, but fair to fine temporarily over a large area. Mostly fine over the south of Europe and the Mediterranean, but rainy at Rome and San Fernando. Rain later in the west and north of these Islands, and in many places over a very wide area on the Continent; more than 0.5 in. in some places, and about 1.0 in. at San Fernando.

Temperature fallen at most stations in these Islands and the nearer regions of the Continent. Morning readings ranging from 70° at Algiers and above 60° at a few other southern stations to below 32° in many parts of England and in central Ireland, and to below 20° in the north-east of Russia. Temperature remaining below 50° all day in nearly all parts of this country, and falling to below 32° at many stations during night. Maxima above 70° in the extreme south of our area, and above 75° in places.

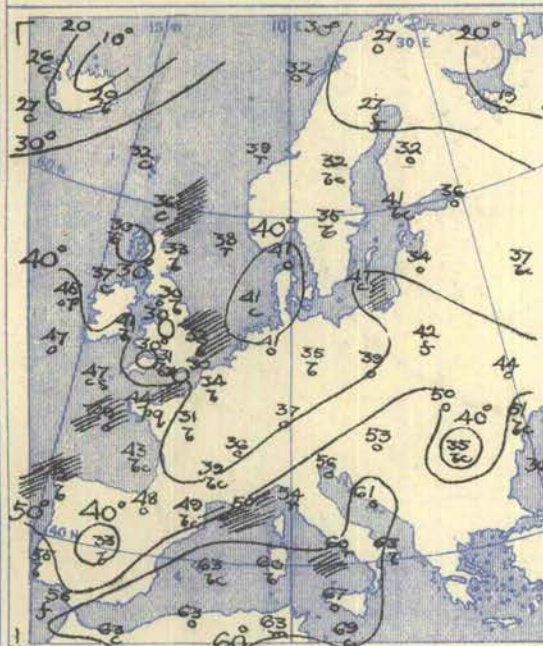
Wind in morning mainly cyclonic. The North-Easterly current blowing a gale in the north-west of Iceland, and the Northerly wind strong to a gale in Shetland. Westerly current moderate over England, but strong to a gale over the upper portion of the Baltic. Little change later in day.

Barometer in morning above 30.2 ins. over a large district in the extreme south, and also in the far north-west of our area; below 29.1 ins. in a large depression having its minimum not far from Shetland. Northern depression moving in a north-easterly direction during day, and pressure increasing briskly in Scotland. Barometer falling somewhat in Iceland, and a depression shown on the Atlantic at about 400 miles to the north-west of Ireland.

Thursday, 10th November, 1910.

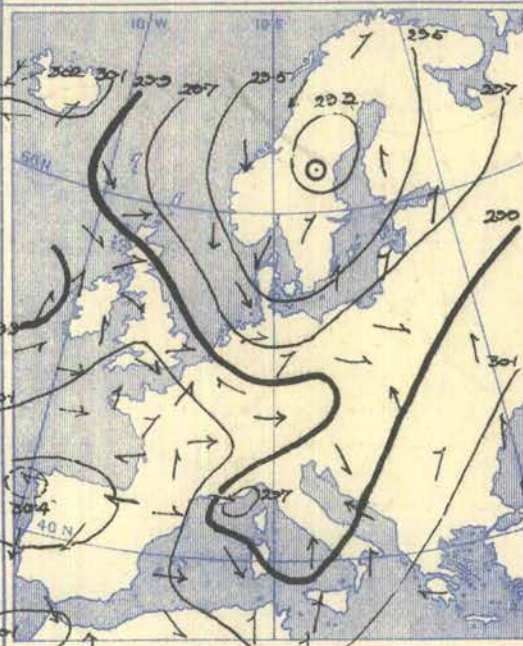
Temperature and Weather.

7 a.m.

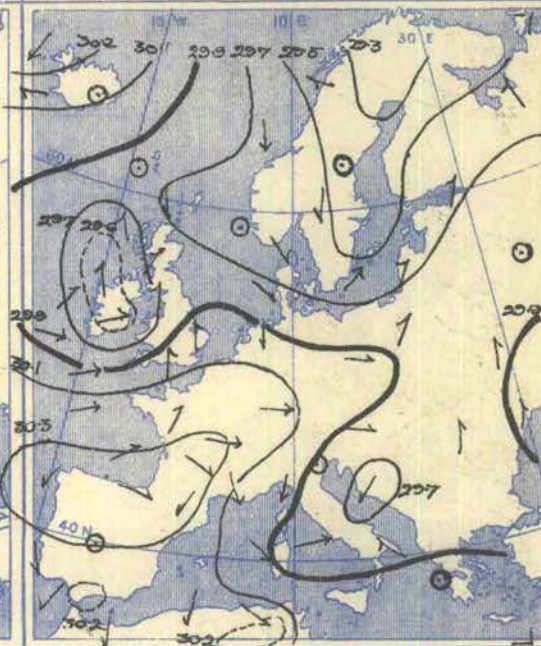


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over these Islands generally, as well as in France, but showery or rainy at Jersey and at some Irish stations. Variable over our area as a whole, but very cloudy or overcast in most localities, and rainy in the west of Norway and in some parts of Austria and Italy, and also in Algeria. Rain later in most parts of the United Kingdom, and over a large area in France, central Europe, and Italy. Amounts heavy in several places.

Temperature fallen in Great Britain and the western and north-western countries, risen in Ireland. Morning readings below 32° over a large portion of England and Scotland, and below 20° at Archangel. Above 50° in Italy, and above 60° further south. Thermometer remaining below 32° throughout the day at Nairn, but rising to 50° in many parts of England and Ireland. Maxima above 70° at several stations in the south of our area, and as high as 81° at Patras. Frost at night in various English and Scottish localities.

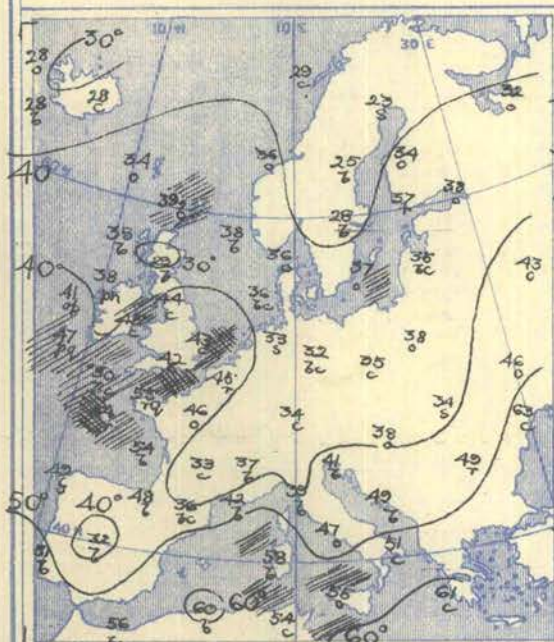
Wind in morning showing two main cyclonic circulations; one in the north and the other in the south of our area. Light anticyclonic airs prevailing in the south-western regions, and another cyclonic movement on the Atlantic beyond Ireland. Strong from various points on the shores of the Mediterranean, and strong to a gale from North-East at Isafjord. Increasing to a fresh or strong breeze by afternoon over the west and south of these Islands, and to a gale during night. Continuing strong on the shores of the Mediterranean, and blowing a gale locally.

Barometer in morning above 30.4 ins. in the north-west of Spain, and below 29.3 ins. in a large depression centred over the Gulf of Bothnia; low also on the Riviera and the Gulf of Genoa, as well as to the north-westward of Ireland. A rather deep depression advancing over these Islands during day and travelling on to the North Sea at night. Gradient growing steep over our southern and south-western districts and the nearer regions of the Continent.

Friday, 11th November, 1910.

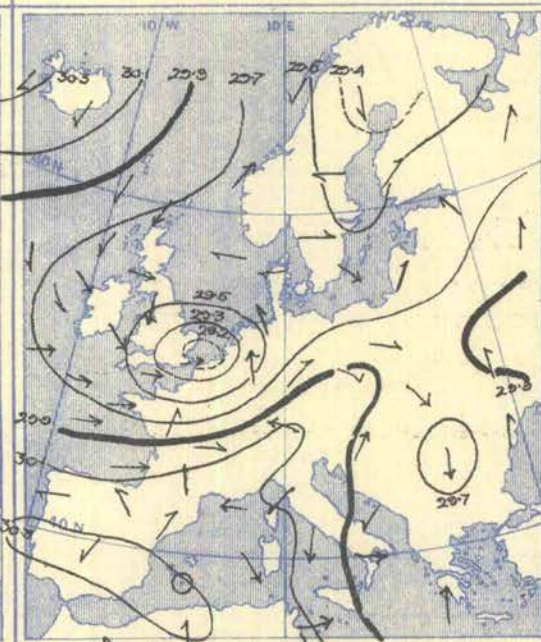
Temperature and Weather.

7 a.m.

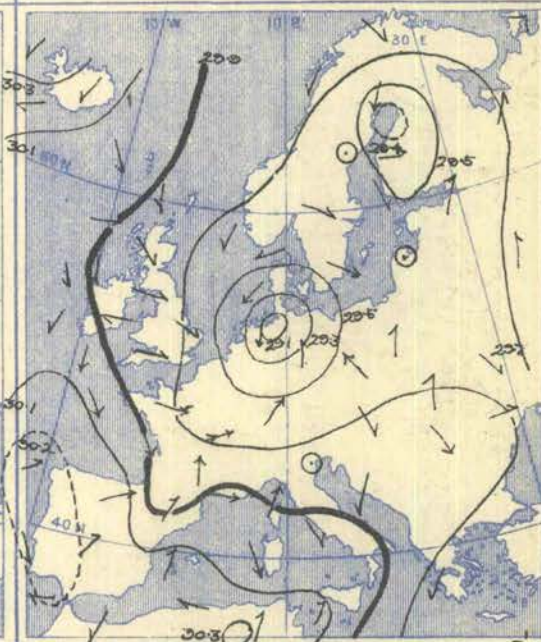


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally unsettled over the United Kingdom and north-western Europe as a whole, with showers or steady rain in places, but with a partially clear sky in several localities. Cloudy or dull in eastern Europe, with snow at Lemberg and rain at Hermanstadt and Patras. Mostly fine and bright over the Mediterranean region and the Spanish Peninsula, but foggy at Corunna and Oporto. Rain experienced later in most parts of our area; more than 0.5 in. at some French stations.

Temperature risen in most parts of these Islands and their immediate neighbourhood, fallen in Scandinavia and Denmark. Morning readings below 32° at some stations in Scotland, but 49° or 50° on our extreme south-west coasts. Readings below 40° over the major portion of the Continent, and below 30° in the far north; above 60° at a few places on the shores of the Mediterranean. Maxima during day below 45° over a large area in the United Kingdom and also at nearly all stations in central Europe, and below 60° in Italy, as well as at some stations on the Riviera. Above 65° very generally in Algeria and the south of Spain. Frost at night over Great Britain.

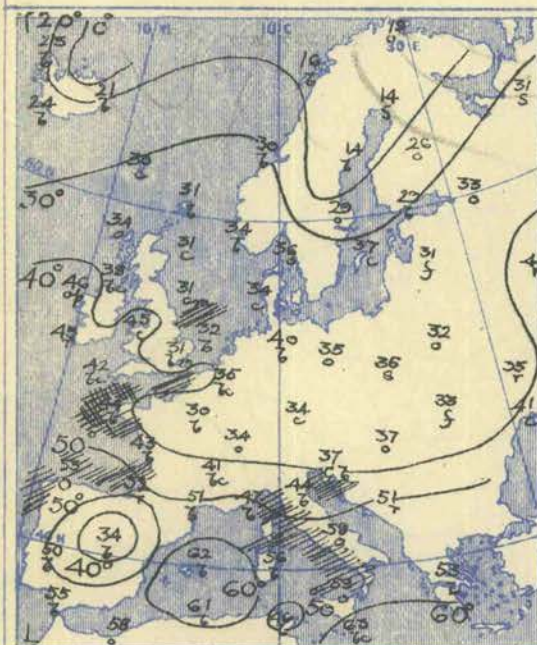
Wind in morning cyclonic very generally, the chief circulation being over these Islands and the adjacent countries of the Continent. North-Westerly to Westerly current strong to high over England, and that from West and South-West blowing a gale on the Dutch coast. Light or moderate in most other regions, but a high wind from North-East prevailing at Isafjord. Veering and decreasing in force over this country later, but blowing a gale from North in Holland and from South-West at Belfort.

Barometer in morning ranging from above 30.3 ins. in the north-west of Iceland and also in an elongated high pressure system in the south-west and south of our area to below 29.2 ins. in a depression centred near the Helder. Relatively low both in the extreme north and south-east. Main disturbance travelling eastward during day, and pressure increasing briskly over the United Kingdom. Another depression beginning to affect the barometer on the Irish coast at night.

Saturday, 12th November 1910.

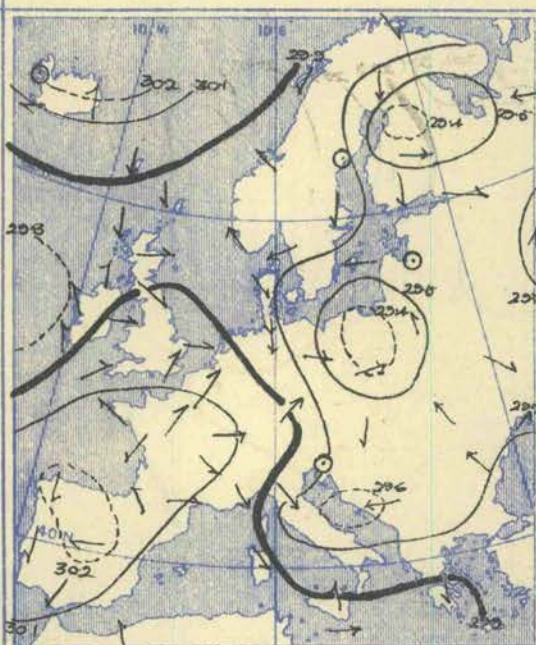
Temperature and Weather.

7 a.m.

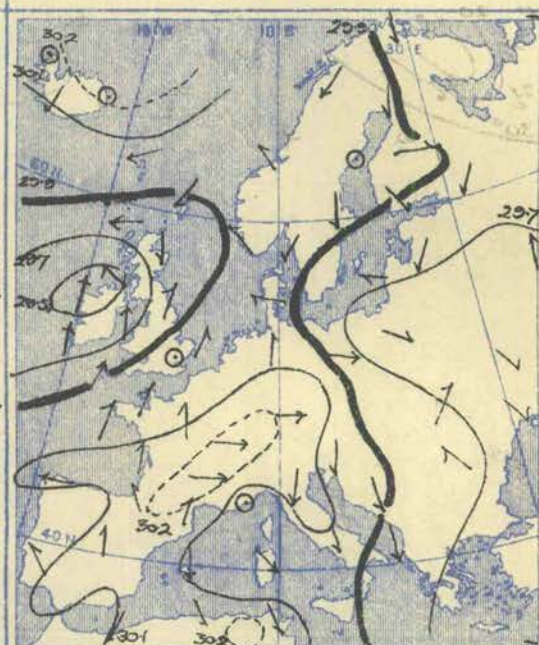


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to cloudy or dull over these Islands, with rain over a considerable portion of Ireland. Unsettled over the greater part of the Continent, with rain in some southern localities and rain or snow at various stations in the more northern regions. Fair to fine and bright at most places in the far south of our area. Rain becoming very general in the United Kingdom and its immediate vicinity later, and more than 0.5 in. falling in many places. Rain experienced in some scattered localities on the Continent; about 0.5 in. on the Baltic coast of Germany, and also at Lesina.

Temperature fallen in most regions. Morning readings 32° or rather lower over the major portion of Britain, and below 20° in the north of Scandinavia; below 40° over the greater part of the mainland of the Continent, and also in central Spain, but still slightly above 60° at a few stations on the shores of the Mediterranean. Thermometer touching 50° later in several parts of England and Ireland, but remaining below 40° in some Scottish localities. Maxima slightly above 40° in central Europe, above 60° in many parts of Italy, and above 70° at some of the most southern stations in our area.

Wind in morning showing an anticyclonic movement over the Spanish Peninsula and the regions in its immediate vicinity, and cyclonic circulations elsewhere. A Northerly gale prevailing at the mouth of the Elbe, and strong breezes from the Westward on the coast of Italy and from South at Palermo. Very little force in these Islands. Backing to the Southward during day in England and Ireland, and increasing considerably in force. Becoming stronger from the Eastward in Scotland.

Barometer in morning above 30.2 ins. in the north of Iceland, and also in Spain; below 29.4 ins. in a depression centred over the north of Finland, and also in another over Germany, and below 29.6 ins. in a third over the Adriatic. Relatively low on the west coast of Ireland. A large disturbance encroaching on these Islands from the Atlantic later, and gradient becoming much steeper in the west and south-west. Continental depressions travelling away or partly dispersing.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second). See also p. 364.

No.	Date of Observation.	Station and its Height above M.S.L.	Ground Level.	At 109 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
					500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Oct. 31st, 12.10 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	310°, 4.5	305°, 3.5	290°, 4.5				220°, 3.5	Two theodolites to 1,100 m. Detached Cu. Becoming overcast and wind backing quickly. Lost in clouds.
2	Nov. 1st, 10.10 a.m. to 10.50 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	281° 90% 250°, 10	278° 100% 270°, 18	277° 100% 200°, 22				276° 100% 205°, 22	Overcast, but clearing. Clouds at about 800 m. Very strong but steady wind.
3	Nov. 2nd, 12.20 p.m. to 12.50 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	280° 70% 280°, 11	279° 70% 280°, 17	278° 80% 300°, 19				277° 90% 310°, 22	Clear, very rough and gusty.
4	Nov. 3rd, 10.15 a.m. to 12.5 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	279° 90% 170°, 5	279° 90% 180°, 9	275° 100% 210°, 12	275° 100% 220°, 12			274° 100% 230°, 12	Overcast, rain commenced at 11.0 a.m. and was heavy by noon. Wind backing. Very strong from E. in afternoon.
5	Nov. 4th, 9.0 a.m. to 2.30 p.m.	Aldershot	Temperature Humidity Wind	276° 76% 240°, 4.5						273°	Fine, bright, cold. Light breeze from N.W.
6	Nov. 4th, 3.24 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	310°, 2.5	305°, 3.5	340°, 6.0	320°, 4.0	325°, 6.0	310°, 8.5	290°, 11	Two theodolites to 2,150 m. No clouds.
7	Nov. 6th, 10.0 a.m.	Brighton, 115 m.	Temperature Humidity Wind	280° 68% 240°, 4.5							Overcast Nimb. at 1,050 m. At 500 m. pull of kite 10 to 80 lb. gusty, at 845 m. 20 lb. steady. On winding in with 2,400 m. of wire out, kite broke away, and has not been recovered.
8	Nov. 8th, 3.25 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	280° 76% 280°, 4.5	300°, 9.0	300°, 10.0	300°, 13.5			300°, 13.0	Two theodolites to 1,650 m. No cloud.
9	Nov. 9th, 3.29 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	310°, 7.0	300°, 9.0	325°, 7.0	310°, 10.0	305°, 8.0	315°, 12.0		Two theodolites to 1,450 m. Almost clear sky. Some Cu. earlier.
10	Nov. 10th, 1.0 p.m. to 2.0 p.m.	Brighton, 115 m.	Temperature Humidity Wind	280° 76% 280°, 4.5	279° 76% 240°, 8.9	274° 86% 230°, 8.9					Fr.-Cu. and Cirrus overland, St.-Cu. oversea. Air very clear.
11	Nov. 10th, 2.0 p.m. to 3.10 p.m.	Brighton, 115 m.	Temperature Humidity Wind	280° 76% 280°, 5.4	278° 76% 240°, 8.9	275° 86% 240°, 8.9				271° 98% 240°, 8.9	Overcast St.-Cu. and Storm Cu. No clouds reached. Heavy rain, squalls followed.

No registering balloon was sent up on November 2nd, owing to the strong N.W. wind. The two balloons of November 3rd were lost in the clouds quickly, and no theodolite observations were possible. By an unfortunate accident on Nov. 4th (heavy dew on the object glass) the balloon was never sighted in the theodolite.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 369

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 46. FORTY-SIXTH WEEK, SUNDAY, NOVEMBER 13TH, TO SATURDAY, NOVEMBER 19TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was extremely unsettled in the earlier half of the week, with heavy rain in nearly all districts. Later on a decided improvement took place over the southern parts of the Kingdom, while frequent showers of sleet, snow and hail occurred in the north and east. Continuous snow occurred on the Kentish coast on Thursday, but melted on reaching the ground. Thunderstorms prevailed at Valencia on Sunday, at some southern stations on Monday and Tuesday, and at Hillington and Morpeth on Friday.

Temperature was below the average, the deficit being nearly 6° in Scotland N. and Ireland S., about 5° in several other districts, and about 4° in the English Channel and over northern and central England. In all districts it was, however, higher than for the corresponding week of last year. The highest of the maxima, which were mostly recorded either on the 13th or 14th, ranged from 58° in England E., to 51° in Ireland N. and to 47° in Scotland N. and E. The lowest of the minima occurred on the 17th generally, but on the 19th in the north and north-west, and ranged from 18° in England S.E., 19° in the Midland Counties and 20° in Ireland S. to 28° in England N.E., and to 37° in the English Channel. The lowest grass readings were 10° at Llangammarch Wells, 14° at Kew and 15° at West Linton, Tunbridge Wells and Aspatria. In several other localities the readings were below 20°.

Mean Temperature of the Sea.—On our southern and south-western coasts, as well as off the north-east of England, the water was warmer than during the corresponding week of last year; elsewhere it was rather colder. The means for the week ranged from 54° at Plymouth to 41° at Pennan Bay and Kirkwall. In all places the temperature of the sea was higher than the mean temperature of the air, the excess being greatest in England S.W.

Rainfall was more than the normal except in Ireland and in Scotland W., the excess being large in most districts. Falls of more than an inch were experienced in places over a large area on the 13th—as much as 1.70 in. at Dumfries, and 1.22 in. at Brighton. At Guernsey 1.23 in. accompanied a severe thunderstorm on the 15th.

Bright Sunshine exceeded the average generally, but was only equal to it in Scotland W., and below it in Scotland N. and E. and the English Channel. The percentage of the possible duration ranged from 38 in England S.E. and 35 in England E. and the Midland Counties to 22 in England N.W., and to between 19 and 12 in Scotland.

Barometer and Wind.—A large and rather deep depression which arrived over the northern parts of the Kingdom on Sunday continued to be the dominating feature of the pressure distribution throughout the week, but it underwent considerable modification in form and intensity, and was attended by some secondary disturbances. After the centre had nearly reached the south-west coast of Norway on Tuesday it moved westward to Shetland and subsequently southward down the North Sea to the Netherlands. Strong winds and gales from various quarters were experienced from time to time over the United Kingdom and the surrounding regions—at first mainly from the South and South-West, and afterwards from the Northward or North-Westward. In Shetland the gale was very severe both from South and East.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 364.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient	Deficient
	Rainfall ...	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Heavy	Moderate	Light	Light	Heavy	
	Sunshine ...	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate	Moderate	Abundant	Abundant	Abundant	Moderate	

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 11 weeks from Sept. 4th, 1910.	Warmth ...	2 * 3	2 * 4	5 * 6	5 * 5	3 * 5	4 * 6	3 * 3	3 * 6	3 * 5	4 * 3	3 * 5	3 * 4
		3 * 7	3 * 7	2 * 7	4 * 5	2 * 3	4 * 4	1 * 5	4 * 7	2 * 5	2 * 7	1 * 6	4 * 4
	Sunshine ...	5 * 1	5 * 3	5 * 4	2 * 5	2 * 5	5 * 5	3 * 3	4 * 2	5 * 4	4 * 3	2 * 3	1 * 4

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
		5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
		4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in *Day-degrees*—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FORTY-SIXTH WEEK—November 13th to November 19th, 1910.																		
DISTRICTS. (See Frontispiece, map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
						Day-deg. 0	Day-deg. - 20	Day-deg. 39	Day-deg. + 23			Inches.	Inches.			%	%	
0. SCOTLAND, NORTH	47	25	40·8	32·1	36·5	- 5·9					6	+ 1	2·18	+ 0·95	7	- 1	12	- 2
Eastern																		
1. SCOTLAND, EAST	47	22	40·7	32·4	36·5	- 5·1	0	- 19	39	+ 17	5	+ 1	1·36	+ 0·66	10	- 2	18	- 3
2. ENGLAND, N.E.	52	28	43·1	34·1	38·6	- 4·6	3	- 20	28	+ 14	6	+ 2	0·96	+ 0·40	18	+ 5	31	+ 9
3. ENGLAND, EAST	58	21	45·1	34·5	39·8	- 3·6	9	- 17	28	+ 12	5	+ 1	1·01	+ 0·51	21	+ 6	35	+ 11
4. MIDLAND COUNTIES	55	19	44·6	32·9	38·8	- 3·9	7	- 16	34	+ 15	4	+ 1	0·58	+ 0·03	21	+ 9	35	+ 14
5. ENGLAND, S.E.	54	18	45·7	34·4	40·1	- 5·1	10	- 23	30	+ 20	4	0	0·95	+ 0·29	24	+ 9	38	+ 15
Western																		
6. SCOTLAND, WEST	52	24	42·8	33·7	38·3	- 5·5	2	- 23	30	+ 18	5	+ 1	0·92	- 0·30	11	0	19	0
7. ENGLAND, N.W.	54	26	44·5	36·4	40·5	- 3·7	7	- 19	22	+ 12	6	+ 2	1·30	+ 0·50	13	+ 2	22	+ 3
8. ENGLAND, S.W.	54	21	46·9	36·4	41·7	- 4·3	14	- 22	23	+ 15	5	+ 1	1·12	+ 0·18	20	+ 5	32	+ 8
9. IRELAND, NORTH	51	23	44·4	33·8	39·1	- 4·9	7	- 19	30	+ 18	6	+ 2	0·55	- 0·38	17	+ 3	28	+ 5
10. IRELAND, SOUTH	54	20	45·2	33·9	39·6	- 5·9	9	- 26	31	+ 21	5	+ 1	0·55	- 0·44	21	+ 5	34	+ 9
11. ENGLISH CHANNEL	54	37	49·6	41·9	45·8	- 3·8	27	- 27	0	- 1	6	+ 1	1·91	+ 1·02	15	- 3	24	- 4
THE SEASON (Autumn).—Aggregates, &c., for the Period of 11 Weeks, September 4th to November 19th, 1910.																		
0. SCOTLAND, NORTH	68	21	*	*	*	*	475	- 22	117	+ 46	48	- 7	8·89	- 4·02	213	+ 19	26	+ 2
Eastern																		
1. SCOTLAND, EAST	72	17	*	*	*	*	487	- 41	131	+ 37	36	- 9	6·38	- 0·85	240	+ 8	29	+ 1
2. ENGLAND, N.E.	74	25	*	*	*	*	625	+ 1	94	+ 47	34	- 7	4·94	- 1·33	248	- 8	30	- 1
3. ENGLAND, EAST	75	21	*	*	*	*	737	+ 24	76	+ 21	35	- 5	5·19	- 0·71	245	- 43	29	- 5
4. MIDLAND COUNTIES	76	19	*	*	*	*	626	- 25	91	+ 22	33	- 6	5·33	- 0·95	212	- 38	25	- 5
5. ENGLAND, S.E.	74	18	*	*	*	*	773	- 28	76	+ 41	33	- 6	6·57	- 0·69	289	- 1	34	0
Western																		
6. SCOTLAND, WEST	69	20	*	*	*	*	566	- 28	100	+ 50	34	- 12	7·77	- 4·30	238	+ 5	29	+ 1
7. ENGLAND, N.W.	73	20	*	*	*	*	626	- 43	66	+ 32	36	- 8	7·22	- 1·69	248	+ 11	30	+ 1
8. ENGLAND, S.W.	71	21	*	*	*	*	735	- 32	45	+ 19	38	- 7	9·32	- 0·73	289	+ 13	34	+ 2
9. IRELAND, NORTH	69	23	*	*	*	*	624	+ 1	74	+ 33	38	- 12	5·75	- 3·49	243	+ 11	29	+ 1
10. IRELAND, SOUTH	70	20	*	*	*	*	695	- 25	55	+ 20	44	- 1	6·46	- 2·61	242	- 28	29	- 3
11. ENGLISH CHANNEL	74	35	*	*	*	*	946	- 45	2	+ 1	45	- 4	11·27	+ 2·48	327	- 12	39	- 1
THE YEAR.—Aggregates, &c., for the Period of 46 Weeks, January 2nd to November 19th, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	2081	+ 30	712	+ 84	211	- 4	43·79	- 0·53	1147	+ 68	28	+ 2
Eastern																		
1. SCOTLAND, EAST	80	-10	*	*	*	*	2169	- 129	767	+ 53	180	+ 2	29·10	+ 2·30	1268	- 16	31	0
2. ENGLAND, N.E.	81	6	*	*	*	*	2653	+ 79	548	+ 26	168	+ 7	21·70	- 0·03	1301	- 89	32	- 2
3. ENGLAND, EAST	83	17	*	*	*	*	3038	+ 65	469	- 107	170	+ 14	22·31	+ 1·50	1423	- 92	35	- 2
4. MIDLAND COUNTIES	83	10	*	*	*	*	2861	- 26	565	- 37	168	+ 14	24·20	+ 1·11	1285	- 64	32	- 2
5. ENGLAND, S.E.	81	13	*	*	*	*	3124	- 86	370	- 46	167	+ 13	25·75	+ 2·38	1480	- 53	36	- 1
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	2528	+ 31	532	+ 57	186	0	40·95	+ 0·03	1315	0	32	0
7. ENGLAND, N.W.	81	7	*	*	*	*	2708	- 28	404	- 16	190	+ 13	33·81	+ 3·69	1390	+ 56	34	+ 1
8. ENGLAND, S.W.	81	8	*	*	*	*	2959	- 100	287	- 40	183	+ 13	36·54	+ 3·84	1487	- 7	37	0
9. IRELAND, NORTH	79	7	*	*	*	*	2602	- 8	425	+ 39	206	+ 4	35·04	+ 1·94	1238	+ 14	30	0
10. IRELAND, SOUTH	79	18	*	*	*	*	2966	- 40	313	+ 19	215	+ 35	36·86	+ 2·61	1311	- 67	32	- 2
11. ENGLISH CHANNEL	79	28	*	*	*	*	3471	- 106	56	- 54	187	+ 5	33·74	+ 6·27	1676	- 140	41	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *R* is supplied by the Royal Meteorological Society, and that for Stations marked *S* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					NAMES OF STATIONS.		
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.					
						Of Highest each day.	Of Lowest each day.	For whole of each day.														
						Day	Day	Day														
0. SCOTLAND, N.	a, Islands.	p Baltasound	8	44	17th	31	19th	46.3	34.9	37.6	—	0	31	7	2.97	—	17	—	Baltasound.			
		a Sumburgh Head	45	45	17th	30	19th	42.0	33.9	38.0	—	4	28	6	3.08	+ 2.17	5.7	—	Deerness.			
		a Stornoway	47	47	13th	29	19th	41.6	33.3	37.5	—	0	32	7	1.75	+ 0.40	10.0	—	Stornoway.			
		a Castlebay, Barra Isd.	60	60	13th	32	16th, 17th	43.3	36.1	39.7	—	4	22	6	1.38	—	10.9	—	Castlebay.			
		a Wick	46	46	13th, 14th	28	19th	42.3	31.3	36.8	—	1	38	7	2.36	+ 1.73	—	—	Strathpeffer.			
		p Strathpeffer	42	42	14th	28	19th	39.4	31.0	35.2	—	0	48	6	2.08	+ 1.41	6.2	—	Strathpeffer.			
		p Glencarron	42	42	13th, 14th	25	19th	38.4	30.9	34.7	—	0	51	7	3.32	+ 1.22	—	—	Fort Augustus.			
		p Fort Augustus	47	47	13th	26	19th	42.0	31.9	37.0	—	0	35	7	1.68	+ 0.69	4.5	—	Fort Augustus.			
	p Fort William	44	44	13th	27	16th, 19th	39.9	32.1	36.0	—	0	42	5	0.97	—	0.91	—	—				
1. SCOTLAND, E.		p Gordon Castle	45	45	14th, 18th	27	19th	42.3	32.3	37.3	—	1	34	6	1.25	+ 0.63	8.0	—	15	Gordon Castle.		
		a Nairn	45	45	14th	30	14, 18, 19th	40.4	32.7	36.6	—	0	38	6	1.54	+ 1.07	6.6	—	12	Nairn.		
		a Aberdeen	47	47	13th, 14th	31	13th	42.0	34.9	38.5	—	0	25	7	1.85	+ 1.17	12.0	—	1.5	Aberdeen.		
		a Balmoral	43	43	18th	22	19th	41.0	31.7	36.4	—	0	39	6	2.26	+ 1.39	11.3	—	20	Crathes S.		
		p Crieff	42	42	15th, 18th	28	16th	39.6	32.1	35.9	—	0	43	2	1.13	+ 0.08	12.7	—	23	Balrudery		
		a Leith	46	46	13th	30	13th	42.0	34.3	38.2	—	0	27	2	1.06	+ 0.61	—	—	—	Edinburgh.		
		a West Linton	44	44	13th	22	19th	37.6	28.6	33.1	—	0	62	5	1.10	—	9.4	—	17	West Linton.		
		p Marchmont	44	44	13th	28	16th	40.3	32.3	36.3	—	0	40	4	0.69	—	0.04	—	7.3	Marchmont.		
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	47	47	13th, 14th	31	16th	42.1	34.6	38.4	—	0	26	6	1.81	+ 1.05	14.6	—	25	Cockle Park.		
		a Shields	49	49	13th, 14th	28	13, 16, 17th	43.1	32.6	37.9	—	3	34	6	1.11	+ 0.61	12.1	—	3.7	Newcastle.		
		p Durham	49	49	14th	29	16th	42.3	33.4	37.9	—	1	31	6	1.26	+ 0.70	17.4	—	4.4	Durham.		
		p Rounton	51	51	13th	28	16th, 17th	43.0	33.2	38.1	—	4	3	32	5	0.48	—	0.12	—	—	Scarborough.	
		p Scarborough	51	51	13th	31	16th, 17th	—	35.7	—	—	—	—	6	1.46	+ 0.88	18.9	—	32	York.		
		p York	52	52	13th	30	16th	44.4	34.3	39.4	—	4	7	29	5	0.55	+ 0.07	17.6	—	7.6	Skegness.	
		a Spurn Head	50	50	14th	32	16th, 17th	43.6	36.1	39.9	—	1	4	22	5	0.58	+ 0.16	—	—	—	Raueby.	
		a Lincoln	51	51	13th	28	17th	43.8	33.0	38.4	—	4	5	33	5	0.71	+ 0.27	21.7	—	36	Lowestoft.	
	a Fulbeck	50	50	13th, 14th	29	16th	43.0	34.3	38.7	—	3	28	6	0.75	+ 0.30	—	—	—	—	—	Cromer.	
3. ENGLAND, E.	a, North.	p Cromer	51	51	14th	28	17th	46.1	34.2	40.2	—	11	31	7	1.58	—	16.8	—	28	Hillington.		
		p Hillington	51	51	14th	25	17th	43.4	33.3	38.4	—	4	32	6	1.55	+ 0.97	19.7	—	6.4	Yarmouth.		
		a Yarmouth	52	52	14th	30	17th, 18th	45.1	36.0	40.6	—	9	24	5	1.46	+ 0.92	16.7	—	27	Geldeston.		
		a Norwich	51	51	14th	28	17th	43.8	34.9	39.4	—	3	26	6	1.52	—	—	—	—	—	Cambridge.	
		p Geldeston	53	53	15th	28	17th	47.2	35.2	41.2	—	3	15	27	7	1.14	+ 0.61	19.0	—	3.7	Felixstowe.	
		p Cambridge	53	53	14th	24	17th	45.4	33.9	39.7	—	8	10	31	4	0.32	—	0.13	—	24.7	Clacton.	
		a Felixstowe	50	50	15th, 15th	29	17th	45.9	36.1	40.5	—	4	8	33	4	0.98	—	26.7	—	44	Rothamsted.	
		a Clacton-on-Sea	52	52	15th	30	17th, 18th	44.9	35.7	40.3	—	8	24	5	0.76	—	24.7	—	41	Southend.		
	a Rothamsted	52	52	14th	21	17th	45.1	31.2	38.2	—	4	9	40	5	0.37	+ 0.26	27.8	—	13.2	Tottenham.		
	a Shoeburyness	51	51	15th	29	17th, 18th	45.4	34.4	39.9	—	10	29	4	0.54	+ 0.09	23.1	—	38	Tottenham.			
	p Tottenham	53	53	14th	27	17th, 18th	44.7	36.0	40.4	—	4	8	23	3	0.39	—	20.8	—	—	—	Tottenham.	
4. MIDLAND COUNTIES.	a, East.	a Harrogate	51	51	13th	29	16th	42.6	33.3	38.2	—	2	29	3	0.46	—	0.19	—	21.4	—	36	Harrogate.
		a Bawtry	52	52	13th	29	17th	43.6	34.9	39.3	—	4	26	3	0.39	—	0.06	—	14.9	—	3.6	Worksop.
		p Buxton	47	47	13th	28	16th, 19th	39.9	33.2	36.6	—	0	33	6	1.35	+ 0.23	15.1	—	25	Buxton.		
		a Nottingham	51	51	13th, 14th	27	17th	44.1	33.4	38.8	—	6	32	4	0.42	—	0.01	—	19.2	—	31	Nottingham.
		p Birmingham, Edgbsn	50	50	14th	28	17th	43.8	34.7	39.3	—	5	27	5	0.69	+ 0.15	18.6	—	—	—	—	Birmingham.
		a Raunds	52	52	14th	25	17th	44.7	32.4	38.6	—	1	35	3	0.51	—	—	—	—	—	—	Oxford.
		a Oxford	52	52	13th	25	17th	45.6	32.9	39.3	—	10	35	3	0.50	—	0.04	—	12.2	—	43	Sheffield.
		a Cheadle	49	49	14th	25	17th	42.2	31.8	37.0	—	5	36	6	1.14	+ 0.49	19.9	—	—	—	—	Cirencester.
	p Shrewsbury	53	53	13th	29	17th	46.0	35.3	40.7	—	3	11	27	4	0.64	—	—	—	—	—	Bath.	
	a Hereford	53	53	14th	23	17th	46.3	32.0	39.2	—	12	38	4	0.49	—	0.07	—	—	—	—	Ramsgate.	
	a Cirencester	55	55	13th	19	17th	44.8	29.5	37.2	—	8	46	5	0.56	+ 0.10	21.0	—	7.2	—	34	Kew.	
	a Bath	54	54	13th	21	17th	47.3	30.9	39.1	—	15	43	2	0.59	+ 0.10	32.0	—	—	—	53	Marlborough.	
5. ENGLAND, S.E.		p Kew	51	51	13th, 14th	24	17th	45.7	35.3	40.5	—	10	26	3	0.33	—	0.18	—	25.3	—	42	Margate.
		a Marlborough	51	51	13th	18	17th	44.9	28.6	36.8	—	8	49	5	0.63	+ 0.11	27.2	—	9.2	—	45	Worthing.
		a Margate	53	53	13th	29	17th	46.0	36.3	41.2	—	11	23	6	1.30	+ 0.75	18.1	—	3.1	—	30	Tunbridge Wells.
		a Wisley, Surrey	52	52	13th, 14th	23	17th	45.3	33.3	39.5	—	9	33	3	0.41	—	22.7	—	—	—	37	Littlestone.
		a Swarston	52	52	14th	22	17th	44.8	31.4	38.1	—	8	39	3	0.51	—	0.25	—	24.1	—	39	Hastings.
		a Tunbridge Wells	51	51	13th	27	17th	43.8	32.9	38.4	—	5	33	4	1.29	+ 0.51	19.8	—	3.5	—	32	Southampton.
		a Dungeness	53	53	13th	28	18th	45.9	35.0	40.5	—	11	28	5	1.99	+ 1.41	19.3	—	—	—	31	Ventnor.
		p Hastings	53	53	14th	28	18th	45.5	36.6	41.1	—	10	22	5	1.28	+ 0.55	23.3	—	6.0	—	38	Eastbourne.
	p Southampton	54	54	14th	31	17th	47.4	36.9.														

IV.—TEMPERATURE on the Grass and in the Ground.

Grass Min.				Mean Earth Temp.		Grass Min.				Mean Earth Temp.		Grass Min.				Mean Earth Temp.			
STATION.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.	STATION.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.	STATION.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		
0.	Baltasound	—	—	38·9	—	4.	Harrogate	5	25	41·2	44·2	6.	Dumfries	4	18	38·7	45·1		
	—	—	—	—	—		Huddersfield	4	24	40·3	46·5		Douglas	2	30	—	—		
	—	—	—	—	—		Buxton	4	1	39·9	46·8								
1.	Aberdeen	—	—	—	44·4	5.	Sheffield	7	27	41·4	47·5	7.	Aspatria	4	15	39·9	46·7		
	Crathes	3	20	39·0	44·2		Birmingham	4	23	41·8	47·9		Burnley	4	21	42·7	46·1		
	Balmoral	5	20	—	—		Oxford	4	19	—	—			Southport	4	18	40·0	46·5	
	West Linton	5	15	—	—		Hereford	4	17	—	—				Manchester City	3	24	40·7	45·5
Marchmont	3	25	30·6	—	—	Cirencester	4	17	42·0	47·6	Bettws-y-Coed	3	29	40·6		48·1			
2.	Cockle Park	4	25	36·8	42·6	Bath	—	—	44·3	49·9		28	41·9	47·0	8.	Llangammarch Wells	6	10	43·0	49·0
	Durham	3	26	—	—	Margate	1	25	44·1	48·8	Cardiff	4	19	41·9		48·2			
	York	—	—	42·6	47·9	Greenwich	5	17	—	—		Clifton	4	21		—	—		
	Hull	4	22	40·7	47·1	Westminster	5	19	—	—			Plymouth	2		29	45·7	—	
3.	Lincoln	—	—	40·8	47·5	5.	Kew	5	14	41·6	48·9	9.		Armagh	5	17	42·8	48·2	
	Rauceby	5	24	41·3	48·4		Canterbury	4	18	41·7	47·2		Markree	5	18	42·9	49·6		
	Norwich	5	21	—	—		Tunbridge Wells	5	15	42·5	—			Dublin, Trin. Coll. ..	4	20	42·2	47·9	
	Yarmouth	—	—	40·6	48·0		Wisley	6	17	41·2	48·2		10.		Guernsey, Brooklyn	0	33	46·7	52·2
Lowestoft	3	24	42·4	48·5	Worthing	4	22	43·5	50·3	11.	Dublin, Trin. Coll. ..	4		20	42·2	47·9			
Cambridge	4	19	41·6	48·0	Portsmouth	2	28	44·6	50·3		12.	Guernsey, Brooklyn	0	33	46·7	52·2			
Clacton-on-Sea	4	21	44·3	50·1	6.	Glasgow	3	19	—	—		13.	Guernsey, Brooklyn	0	33	46·7	52·2		
Southend	3	20	43·7	—		Rothessay	—	—	—	45·7	14.		Guernsey, Brooklyn	0	33	46·7	52·2		
Tottenham	5	20	—	50·4	Colmonell	1	30	—	—	15.		Guernsey, Brooklyn	0	33	46·7	52·2			

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

[illegible]

† Only one observation each day.

CORRECTIONS AND ADDITIONS FOR OCTOBER, 1910.

NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

[illegible]

Sunday, 13th November, 1910.

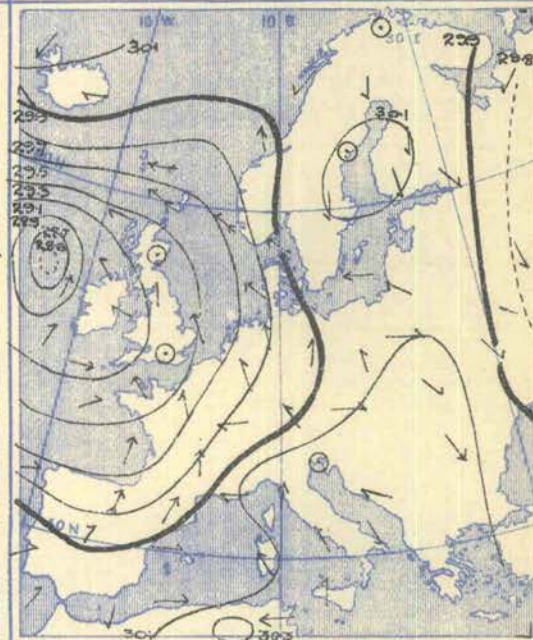
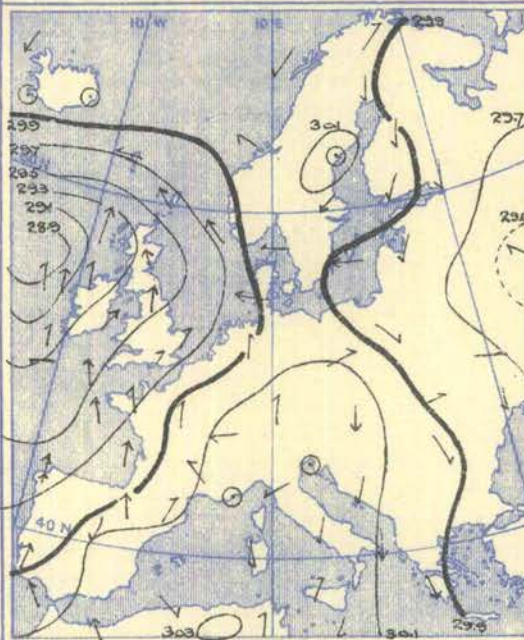
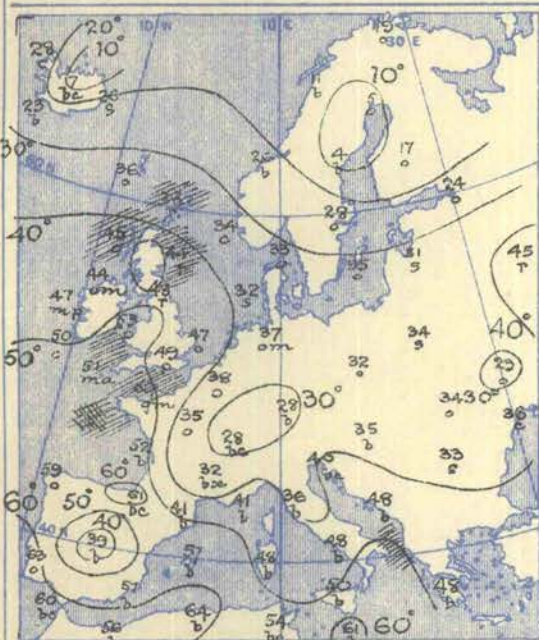
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning very cloudy or overcast in these Islands and their immediate neighbourhood, with rain in several places. More variable over the other portion of our area; rain falling at Moscow and also at Oporto, and snow at Riga, Warsaw, and Hermanstadt; bright in some parts of Scandinavia and very generally over southern Europe and in Algeria. Heavy falls of rain later over a large area in this country and France, and also at Geneva, and about 0.5 in. at Moscow and Kharkoff. More than an inch at Holyhead and as much as 1.4 in. at Marseilles. Thunder occurring in the south-west of Ireland.

Temperature risen in the United Kingdom and the west and north of France, fallen in most other regions. Morning readings above 60° at a few stations in the far south and about 50° at many of our own stations, but about 32° over a considerable portion of central Europe, and below 10° in the northern half of Sweden. Severe frost continuing all day in the latter region, and thermometer remaining below 40° over the central countries. Maxima above 70° at various places in the extreme south of our area, but only 56° at Naples and 60° at Brindisi. Frost at night in some Scottish localities.

Wind in morning moderate to strong or high from the Southward over the greater part of the United Kingdom, but from the Eastward in the north of Scotland, and blowing a gale from the South on the Atlantic coast of the Spanish Peninsula, and from South-West at Bilbao. Rather variable, but mainly Northerly breezes, prevailing over the eastern half of our area; strong at Brindisi, Malta, and Athens. Increasing to a gale from the Southward later on the west coast of France and the Channel, and from the Eastward in Shetland and the south-west of Norway. Veering to the North-Westward and blowing strongly at Scilly.

Barometer in morning above 30.2 ins. in Italy and the central part of the Mediterranean, and nearly as high in central Sweden. Below 29.6 ins. in the neighbourhood of Moscow, and below 28.9 ins. in a large and deep depression having its centre on the ocean off Ireland. Latter system extending over these Islands during day, and a secondary appearing over our south-western districts. Little modification occurring within the regions of high pressure.

Monday, 14th November, 1910.

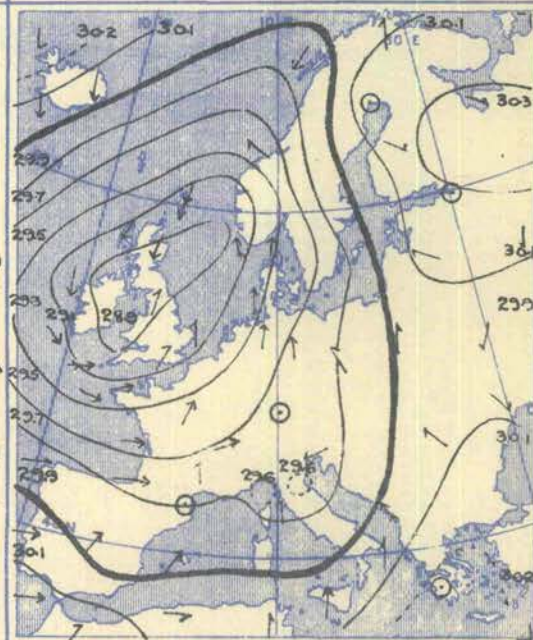
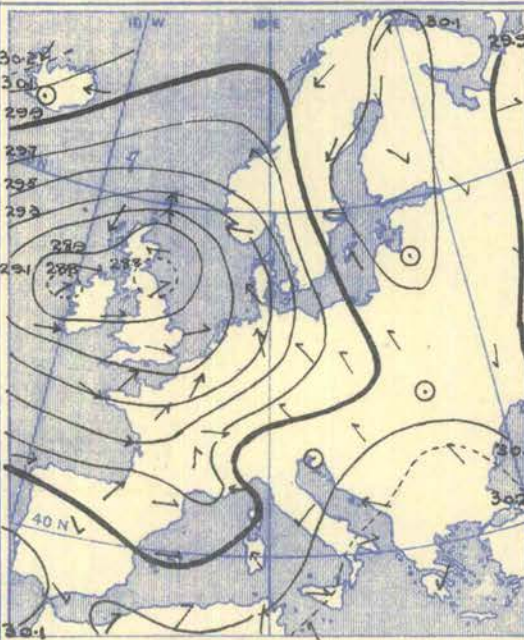
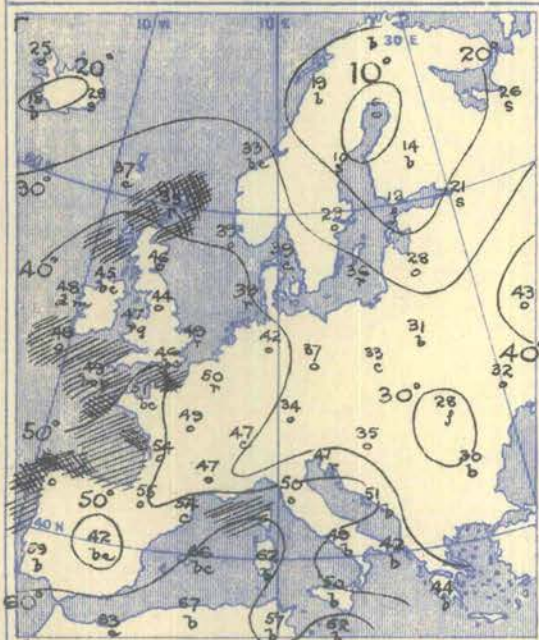
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning very unsettled and generally rough and squally throughout western and north-western Europe, with steady rain or passing showers in many places, and snow in Scandinavia; snow also prevalent in northern Russia. Mostly fair to bright over the south of Europe and the Mediterranean, but rainy in the north of Italy. Rain later in almost all parts of these Islands and over the greater portion of the Continent; more than 1.0 in. at Sumburgh Head, Lesina, and Lugano, nearly an inch in several other localities, and as much as 1.9 ins. at Gap. Lightning observed at Jersey.

Temperature risen in most regions, fallen at several stations in these Islands. Readings in morning ranging from about 65° at some places in the far south and about 50° on the shore of the English Channel to below 40° over the greater portion of the Continent, to about 30° in Poland, 20° at Hermanstadt, and to below 10° in the north of Sweden. Maxima during day about 50° over a large area in this country, the Netherlands, and at some French stations; about 60° on the Riviera and in the south of Italy, above 70° in Algeria, and 81° at Tunis. Frost at night in the north-east of Scotland.

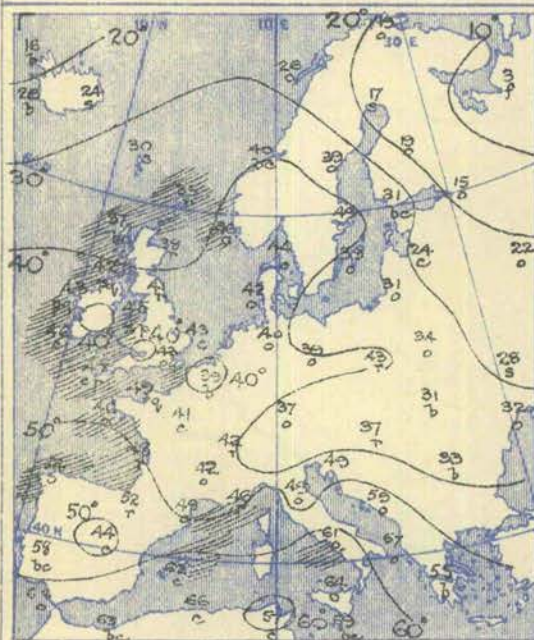
Wind in morning cyclonic except in the south-east and north of Europe. Westerly to South-Westerly current strong to a gale over England, France, and the Channel, and the Southerly to Easterly current of about equal strength beyond the North Sea and to the northward of Scotland. Blowing a whole gale later from the Northward in Shetland, a fresh gale from the same quarter in the south of Ireland, and from West at Scilly. Increasing to a gale from South-East on the Baltic.

Barometer in morning above 30.2 ins. over the south-eastern countries and in the north-west of Ireland and above 30.1 ins. in Finland and its vicinity; low over the whole of the United Kingdom and the surrounding regions, one minimum of about 28.75 ins. lying over the north-east of Britain, and another of similar depth off the north-west of Ireland. Atlantic minimum moving eastward by evening and pressure rising decidedly in the west of Ireland. Barometer falling over the north of Italy and its vicinity, and two well-marked minima forming by 6 p.m.

Tuesday, 15th November, 1910.

Temperature and Weather.

7 a.m.

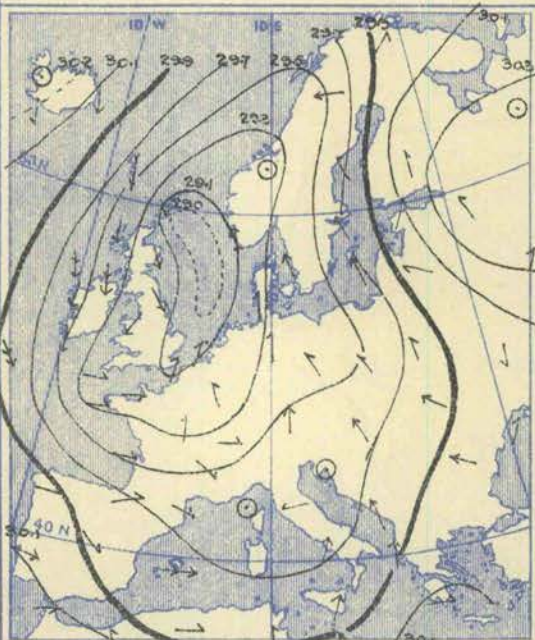


Weather in morning still rough and unsettled over the north-western and western countries, with much cloud generally, and with rain or hail in several parts of these Islands, France, and Germany, and snow in the north of Sweden. Fine at some stations in the far south, but overcast as a whole. Rain, hail, and snow experienced later in the north of the United Kingdom and some rain in most southern districts, as well as over a vast area on the Continent; more than 0.5 in. at some Italian stations and at Stockholm, and 0.9 in. at Trieste. A thunderstorm occurring in the Channel Isles.

Temperature risen in Scandinavia and Denmark, fallen in this country and France. Morning readings ranging from 69° at Malta, 66° at Algiers, and above 60° at some other southern stations to 40° or below over the major portion of our area, and to much below 32° in the north and north-east. Lowest reading 3° at Archangel. Frost continuing all day in Russia, and maxima rather low over central Europe and in Scotland. Thermometer rising to above 70° on some shores of the Mediterranean, but only touching 54° at Nice and failing to rise beyond 40° at Turin. Frost at night in most parts of these Islands.

Barometer and Wind.

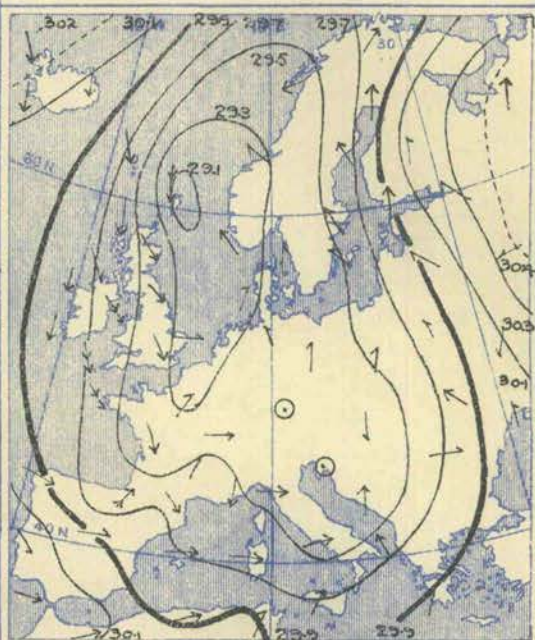
7 a.m.



Wind in morning showing a very extensive cyclonic circulation over the north-western countries, and a smaller one further south. Northerly current continuing strong to a gale in the north and west of these Islands; strong winds from North-West prevailing over the Bay of Biscay, and Southerly to South-Easterly winds, strong to a gale, beyond the North Sea. A gale from the Westward prevalent at Palma and strong breezes on the Mediterranean generally. A gale from South-West at Biarritz during evening, and some increase in force taking place on some shores of the Mediterranean.

Barometer in morning below 29.9 ins. in a depression centred over the North Sea, and relatively low in a depression over the Riviera and the Gulf of Genoa; above 30.3 ins. in the north-east of Russia, and nearly as high in the north-west of Iceland. Very little modification taking place during day in the general distribution of pressure; main minimum remaining almost stationary, and that in the south moving eastward to the Gulf of Venice. Pressure increasing very briskly in the west and south-west of this country.

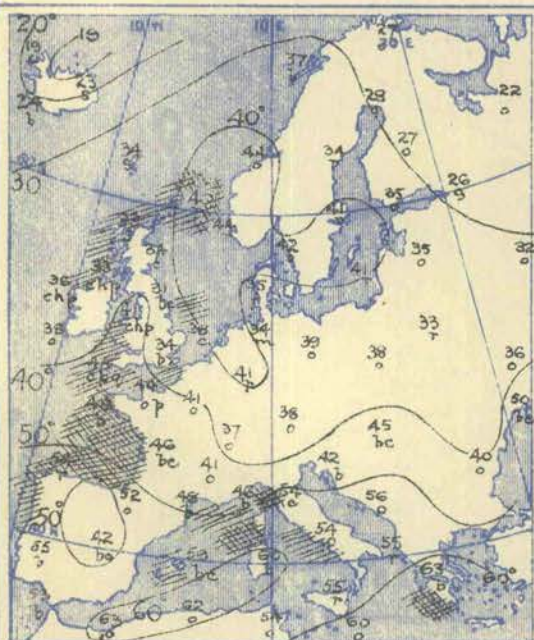
6 p.m.



Wednesday, 16th November, 1910.

Temperature and Weather.

7 a.m.

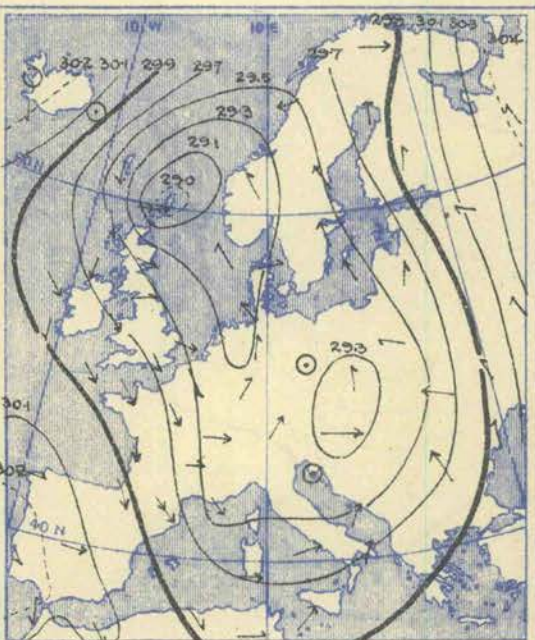


Weather in morning rough and squally over these Islands and the north-west and west of Europe generally, with snow and hail in the north and west of the United Kingdom and rain or passing showers in places over a large area. Rough and unsettled over the Mediterranean, but sky fair in many places; rainy at Brindisi and Palermo. Rain or snow experienced later over the major portion of our area; 0.75 in. at Stornoway and Jersey, nearly as much at Naples and Patras, and about 1.0 in. at La Hague and Tunis.

Temperature fallen over these Islands, risen over much of the Continent. Morning readings ranging from below 30° in the north-east of our area, and about 32° at some of our own stations to about 55° at a number of places on the shores of the Mediterranean, and to 63° at Athens and Patras. Maxima during day below 40° in several parts of this country, and below 50° over a large district in central Europe and the east of France; above 60° very generally in the south of Europe, 70° at Patras and Oran, and 78° at Malta. Sharp frost at night in these Islands; minimum 21° at Bath and 25° at Birr Castle.

Barometer and Wind.

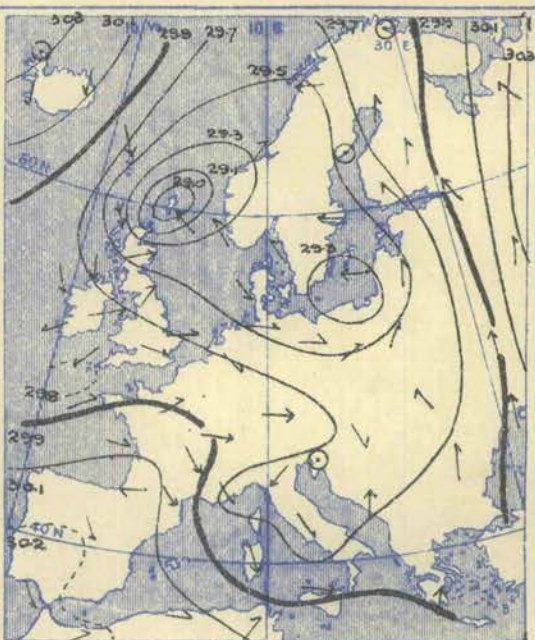
7 a.m.



Wind in morning cyclonic very generally. North-Westerly current fresh or strong to high over these Islands and France, Westerly current blowing with similar force over the Mediterranean, and that from the South-Eastward strong over Scandinavia and Finland. Decreasing in strength except in Scotland during day; shifting to North-East on our south-west coasts and to West-South-West in Brittany.

Barometer in morning below 29.0 ins. in a minimum a little to the north of Sumburgh Head, and below 29.3 ins. in another over central Europe. Above 30.4 ins. in the north of Russia, and above 30.2 ins. both in the north-west and south-west of our area. An ill-defined minimum of a secondary character over northern Italy. Northern depression moving slowly on a south-westerly direction during day, and that over central Europe travelling northward to the Baltic. A disturbance of little intensity appearing off the south-west of these Islands by evening.

6 p.m.



Thursday, 17th November, 1910.

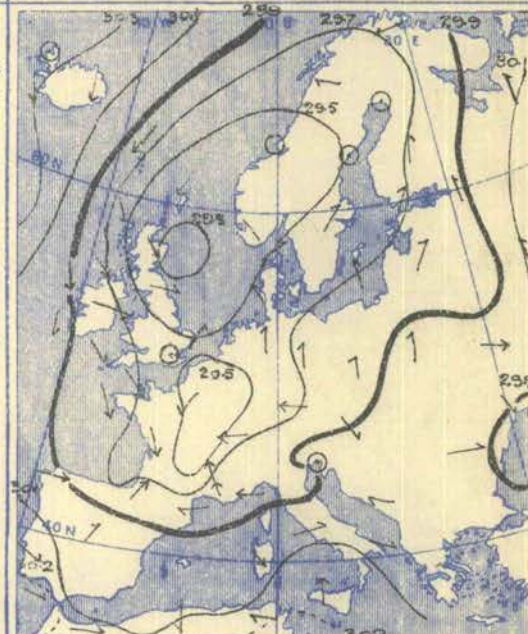
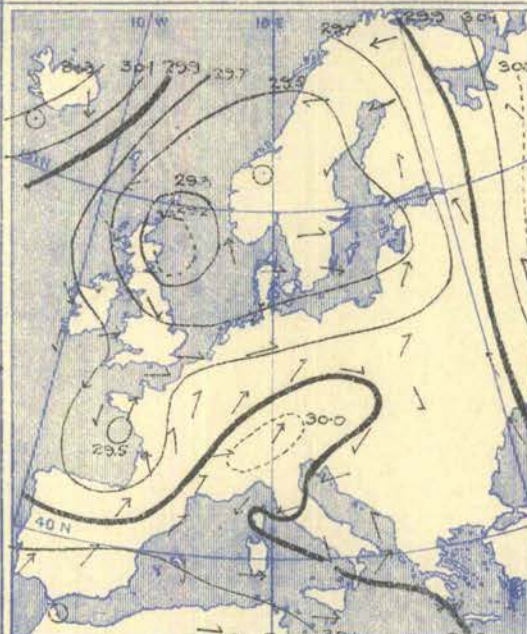
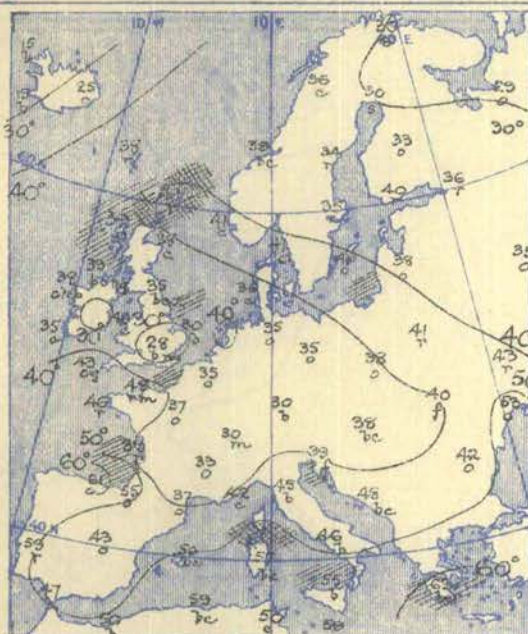
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning varying a good deal over these Islands and western and north-western Europe; rough and squally in many places, with rain in Brittany and some other parts of France, rain and hail at some of our own western and northern stations, and rain or snow in Sweden. Fair to fine and bright at most places in the south of our area. Much rain and snow later on the coast of Kent, and also at Aberdeen, and smaller quantities in many other parts of the United Kingdom. Heavy rain over a large area in France and the adjacent portions of Spain and Italy.

Temperature fallen over England, France, and southern Europe, risen in many northern regions. Morning readings ranging from 63° at Athens and 59° or 60° at a few other stations in the extreme south to below 40° over our area generally, and to 30° or below in many parts of these Islands and the far north of the Continent; lowest reading, 22° at Bath. Maxima during day below 40° in several parts of these Islands, the Netherlands, Germany, and the east of France, and below 50° over a very wide area; thermometer rising to about 65° in the most southern districts, and to 72° at Algiers.

Wind in morning cyclonic over all the western and north-western countries, the chief circulation being round the North Sea. Northerly to Westerly current fresh to high on several parts of our northern coasts. High wind from West and South-West prevailing in the south-west of France, and a moderate to strong breeze from that quarter general on the Mediterranean. Increasing in force from between West and North-West later over England; reaching a strong gale at Scilly and a fresh gale at Spurn Head. A gale from the South-Eastward springing up at Lyons.

Barometer in morning above 30.2 ins. in Iceland and also in Russia, and above 30.0 ins. over South Germany. Below 29.2 ins. in a depression centred off the north-east of Scotland, and below 29.6 ins. in a smaller system over Brittany. Northern disturbance moving slowly southwards during day, and that over Brittany travelling rather quickly in an easterly direction, and at the same time increasing in depth. Mercury rising somewhat briskly in the west and north-west of our area.

Friday, 18th November, 1910.

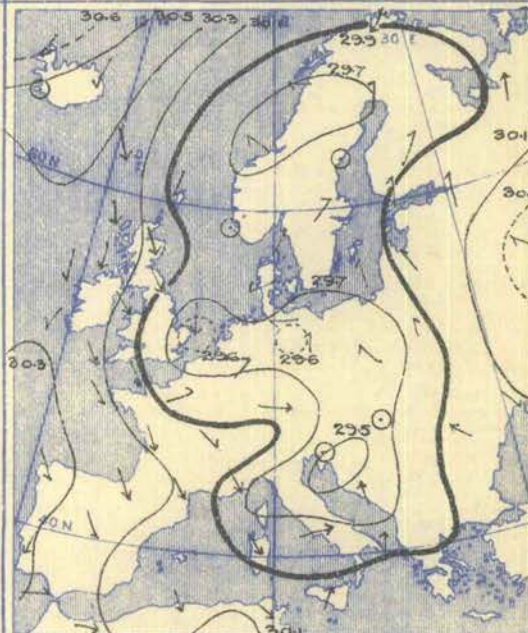
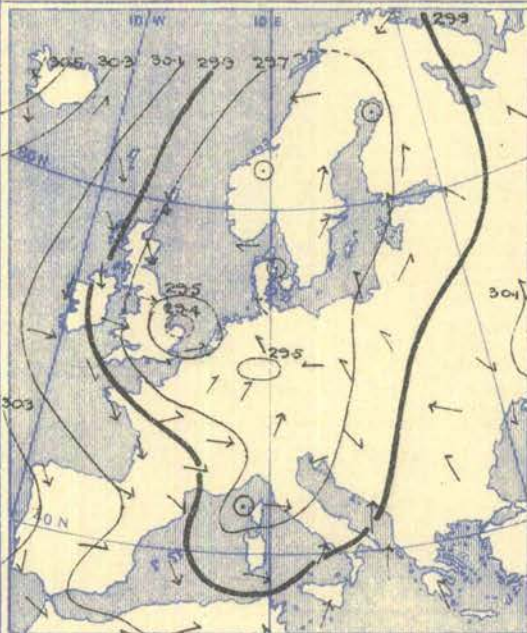
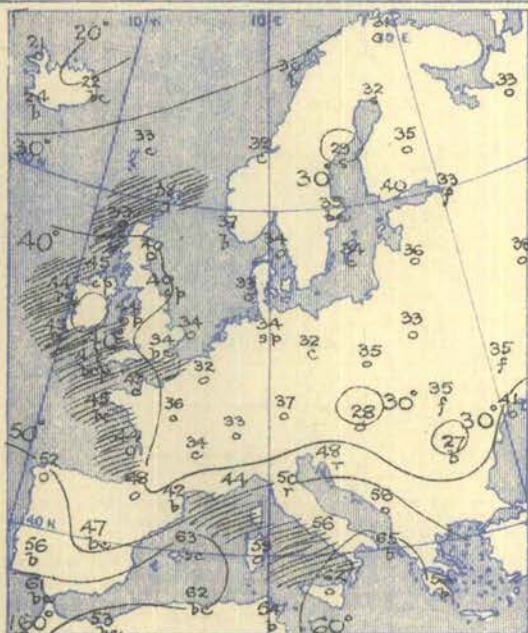
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning still rather rough over these Islands and the north of France, with showers in some localities and a good deal of cloud generally. Snow falling in western Germany and rain in Italy and Corsica, as well as at Bilbao. Fair to bright in Algeria and over the greater part of Spain. More than 0.5 in. of rain and hail later at North Shields, and smaller quantities of precipitation in many other parts of our Islands, as well as over a wide area on the Continent; about 0.75 in. at Vienna and Bilbao, and 1.8 in. at Trieste.

Temperature risen in the United Kingdom. Morning readings ranging from about 32° in North Germany and the Netherlands and also in some localities elsewhere, to above 55° on many shores of the Mediterranean, and to 65° at Brindisi. Maxima during day below 45° in several parts of Great Britain and central Europe, and also at Turin. Above 60° on many shores of the Mediterranean, but only 48° at Nice and Marseilles. Thermometer rising to 70° or slightly higher in Algeria and the extreme south of Spain. Frost at night in various parts of this country.

Wind in morning fresh or strong to high from the North-Westward over these Islands, with a gale at Spurn Head; fresh to high from North-West and West over France, and strong to high from various quarters on the Mediterranean. Light breezes prevalent over Russia and nearly all of northern Europe, but a Northerly gale blowing at Vardö. No important change occurring during day.

Barometer in morning below 29.4 ins. in a depression off the coast of Yorkshire and nearly as low in another over Germany, and also in a small system over the Gulf of Genoa. Above 30.5 ins. in the north-west of Iceland, and relatively high both in the south-west and east of our area. North Sea depression moving slowly southward during day, and barometer rising briskly over the west and north of these Islands. Mediterranean disturbance undergoing considerable modification in form, and pressure becoming lowest over the Gulf of Venice.

Saturday, 19th November 1910.

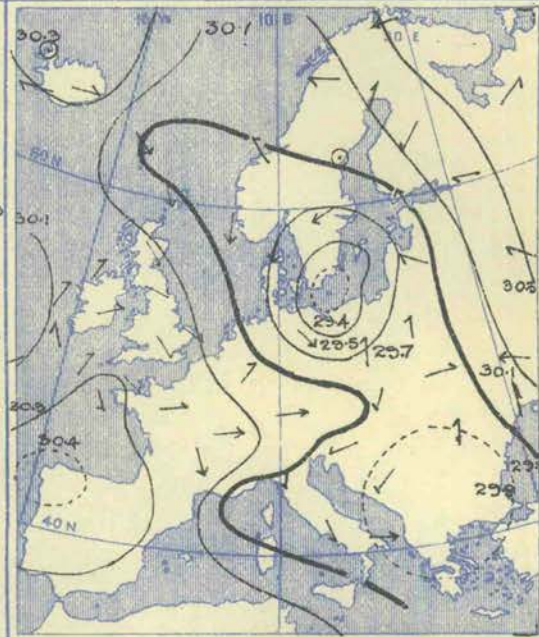
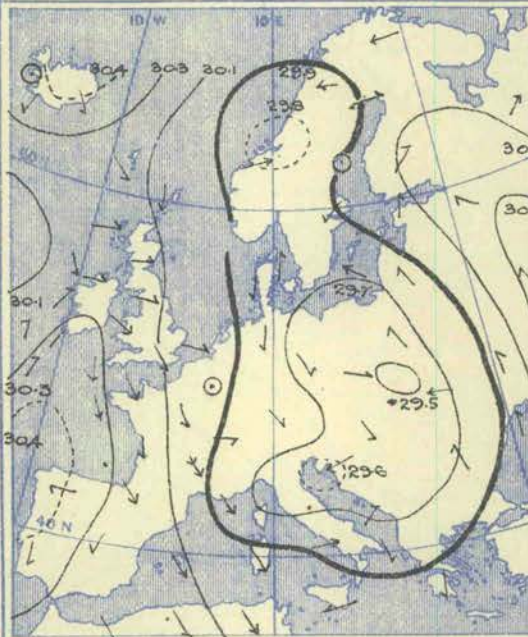
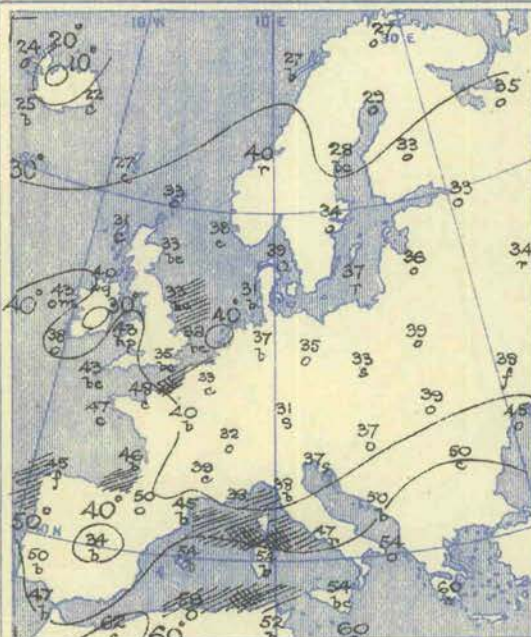
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning fair to fine and bright over nearly all parts of the United Kingdom and the western countries of the Continent, but hail at Holyhead and rain at Christiansund and Bilbao. Cloudy or dull at most places over the eastern half of our area, with rain at Wisby, Moscow, and in some parts of Italy, and rain or snow in various districts of central Europe. Rain, hail, or snow showers later in most parts of the United Kingdom except the south of England, and also in Germany, and over many regions of northern Europe, in some of the Islands of the Mediterranean, and at Athens.

Temperature fallen generally in these Islands, changed irregularly on the Continent. Morning readings ranging from about 60° at some places in the extreme south to below 40° over the greater portion of our area, and to below 32° in the far north, as well as in a few localities elsewhere. Maxima during day below 40° in many parts of Britain and at a few Irish stations; and equally low over the east of France and a large area in central Europe. Thermometer remaining below 50° at many places in the extreme south of France, and also at Aumale, but rising to 72° at Oran. Frost at night in the north-east of these Islands.

Wind in morning showing two main cyclonic circulations—one over Scandinavia, and the other over the central countries. A less important cyclonic movement prevailing over the Netherlands and the immediate vicinity. Northerly current moderate to fresh over England generally, but high at Spurn Head and Dover. A strong gale from North-West reported at Lyons. Fresh to high winds from North-West and West general over the Mediterranean, and a high wind from East prevailing at Lemberg. Some backing over the west of these Islands during day, but little change as a whole.

Barometer in morning above 30.4 ins. in the north-west of Spain and the north of Iceland, and nearly as high in central Russia. Below 29.5 ins. in a depression centred near Cracow, and below 29.8 ins. in another over Norway. A considerable modification occurring later within the regions of lowest pressure. Polish depression apparently moving in a northerly direction to the Baltic. A fresh disturbance of little intensity extending over our western districts from the Atlantic.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Nov. 8rd, 10.58 a.m.	Pyrton Hill,	Temperature	180°, 6.0		233°, 6.5	225°, 10.5					Metres. { One theodolite. Overcast at start. Slight rain during ascent. Assumed rate of ascent, 1.57 m.p.s.
2	Nov. 8th, 10.30 a.m. to 11.43 a.m.	Pyrton Hill,	Humidity	280°	279° 5'	278°	276° 5'					
			Wind	225°, 4	225°, 8	250°, 10	270°, 11					1,200 { Clouds at 600 m. Wind at surface changed from S.W. by S. to W. during ascent.
3	Nov. 9th, 9.55 a.m. to 11.50 a.m.	Pyrton Hill,	Temperature	278°	277° 5'	275°	273° 5'					
			Humidity	90%	90%	95%	100%					1,200 { Cloudy, blue sky. Very steady wind. Clouds at 750 m.
			Wind	250°, 6	260°, 10	270°, 12	290°, 13					
4	Nov. 11th, 9.58 a.m. to 10.52 a.m.	Pyrton Hill,	Temperature	278° 5'	278°	275° 5'						950 { Clear morning, rain later. Very strong gusty wind veering to N.W. Clouds at 900 m.
			Humidity	80%	80%	90%						
			Wind	290°, 10	290°, 20	305°, 22						One theodolite. Some alto-cn. Assumed rate of ascent 1.55 m.p.s.
5	Nov. 12th, 10.0 a.m.	Pyrton Hill,	Wind	210°, 5.0		240°, 6.5	250°, 9.0	246°, 5.0				
6	Nov. 14th, 9.43 a.m. to 11.15 a.m.	Pyrton Hill,	Temperature	281°	280° 5'	278°	276° 5'	274° 5'				1,600 { Very steady wind. A few clouds.
			Humidity	90%	90%	95%	100%	100%				
			Wind	200°, 6	200°, 11	210°, 12	225°, 13	235°, 13				1,400 { Clear, very steady wind.
7	Nov. 16th, 10.8 a.m. to 11.40 a.m.	Pyrton Hill,	Temperature	274°	273° 5'	273°	272°					
			Humidity	90%	90%	90%	60%					Two theodolites to 1,800 m. Few small cu.
			Wind	270°, 6	280°, 9	290°, 12	310°, 16					
8	Nov. 16th, 12.17 p.m.	Pyrton Hill,	Wind	285°, 7.0		305°, 10.0	310°, 15.5	305°, 18.5	295°, 22.0	290°, 19.5		1,200 { Two theodolites to 750 m. Faint cl. No low clouds.
9	Nov. 17th, 3.8 p.m.	Pyrton Hill,	Wind	340°, 3.5		335°, 7.0	335°, 14.5					
10	Nov. 18th, 10.15 a.m. to 10.59 a.m.	Pyrton Hill,	Temperature	276°	275°	273° 5'						900 { Clear morning. Cloudy by 11 a.m. Clouds at 600 m.
			Humidity	80%	80%	95%						
			Wind	270°, 8	290°, 12	290°, 20						Half overcast. Cl. St. and slight haze. No clouds reached. Very steady wind above 100 m.
11	Nov. 19th, 10.0 a.m. to noon.	Brighton, 115 m.	Temperature	275° 4'	274° 0'	272°	266° 5'					
			Humidity	70%	70%	75%	87%					
			Wind	330°, 6.7	340°, 10.3	20°, 12.5	10°, 11.2					

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4	5	6	7	8	9	10	11
No. of Kites ..	—	1	1	1	—	1	1	—	—	1	1
Area of Surface (sq. metres) ..	—	8	—	—	—	7	—	—	—	4	5
Capacity of Balloon (cub. metres) ..	0.12	—	—	—	0.12	—	—	0.48	0.12	—	—
Length of Wire (metres) ..	—	1,500	1,600	900	—	2,300	1,800	—	—	900	1,300

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 377

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 47. FORTY-SEVENTH WEEK, SUNDAY, NOVEMBER 20TH, TO SATURDAY, NOVEMBER 26TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather varied greatly at different times and in different parts of the Kingdom, but was fairer in the south and east than in the west and north. At many stations in the east and north-east of England the weather was dry nearly throughout, and often fair to bright. The precipitation was composed partly of snow and hail, especially in the northern districts.

Temperature continued below the average except in Ireland S., the deficit amounting to 7° in Scotland W. and to more than 7° in the greater part of England. In Ireland N. the minus difference was barely a degree, and in Ireland S. there was a slight excess of warmth. The highest of the maxima occurred at various times in the different districts, but most commonly on the 22nd and 23rd. They ranged from 59° in Ireland S. and 56° in the English Channel to 44° in England N.E. and the Midland Counties. The lowest of the minima, which were generally recorded early in the week, varied from 10° in Scotland E. (at Balmoral on the 23rd), 14° in Scotland W. and 16° in England N.W. to 28° in Ireland S. and to 32° in the English Channel. The lowest grass readings recorded were 7° at West Linton, 8° at Balmoral and Llangammarch Wells, 11° at Crathes, Buxton and Newton Rigg, and 13° at Birmingham and Burnley.

Mean Temperature of the Sea.—On the south-west coast of England the water was about 3° warmer than during the corresponding week of last year, while at Teelin it was more than 5° warmer; in most other places it was rather colder, or showed very little difference. The means for the week ranged from 53° at Teelin and Plymouth and 52° at Newquay to below 44° on most parts of the east and north coasts, and to 40° at Cromarty and Pennan Bay.

Rainfall was more than the average in the Midland Counties, England S.E. and S.W., Ireland S. and the English Channel, and just equal to it in Ireland N. Elsewhere there was a deficit. Falls of more than an inch occurred in southern Ireland on the 22nd, and in a few parts of England on the 23rd, and at Douglas on the 23rd and 24th. The largest measurements were 1.24 in. at Roche's Point and 1.21 in. at Jersey. At Spurn Head the week was rainless.

Bright Sunshine exceeded the average over the greater portion of the Kingdom, but it was less in the south and south-west of England, as well as in the English Channel and Ireland S., and only equal to it in Ireland N. The percentage of the possible duration ranged from 31 in England N.E., and 29 in England N.W. to 11 in England S.W. and Ireland S., and to 5 in the English Channel.

Barometer and Wind.—Barometric pressure fluctuated considerably, but the only depressions over these islands or their immediate neighbourhood were small and rather shallow, the chief low pressure system remaining on the Atlantic. Early in the week a ridge of relatively high pressure extended over the United Kingdom from the northward, and the winds were light and rather variable, but subsequently pressure became high over northern and north-western Europe, and the main flow of air over this country was from South, South-East or East. Many localities experienced fresh or strong breezes occasionally, and on the north coast of Ireland the wind increased to a strong gale on Wednesday. At the end of the period, when a shallow disturbance covered Scotland, the wind over the Kingdom generally was light between South-West and West or North-West.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 380.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with aver- age for the time of year	Warmth ...	Deficient	Very deficient	Very Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Deficient	Moderate	Moderate	Deficient
	Rainfall ...	Light	Moderate	Light	Moderate	Heavy	Moderate	Moderate	Moderate	Heavy	Moderate	Heavy	Very Heavy
	Sunshine ...	Abundant	Abundant	Abundant	Moderate	Moderate	Moderate	Abundant	Abundant	Scanty	Moderate	Scanty	Very scanty

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 12 weeks from Sept. 4th, 1910.	Warmth ...	2 * 4	2 * 5	5 * 7	5 * 6	3 * 6	4 * 7	3 * 4	3 * 7	3 * 6	4 * 3	3 * 5	3 * 5
	Rainfall ...	3 * 8	3 * 7	2 * 8	4 * 5	3 * 3	4 * 4	1 * 5	4 * 7	3 * 5	2 * 7	2 * 6	5 * 4
	Sunshine ...	6 * 1	6 * 3	6 * 4	2 * 5	2 * 5	5 * 5	4 * 3	5 * 2	5 * 5	4 * 3	2 * 4	1 * 5

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FORTY-SEVENTH WEEK—November 20th to November 26th, 1910.																		
DISTRICTS. (See Frontispiece, map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	47	21	41·7	32·2	36·9	- 4·2	Day-deg. 0	Day-deg. - 15	Day-deg. 36	Day-deg. + 15	4	- 1	0·58	- 0·70	8	+ 1	15	+ 2
Eastern																		
1. SCOTLAND, EAST	45	10	40·1	28·8	34·4	- 5·9	0	- 14	53	+ 26	5	0	0·46	- 0·18	14	+ 4	26	+ 7
2. ENGLAND, N.E.	44	22	39·7	29·2	34·5	- 7·5	0	- 18	53	+ 36	3	- 1	0·17	- 0·36	18	+ 6	31	+ 10
3. ENGLAND, EAST	45	19	40·8	30·4	35·6	- 6·2	0	- 20	45	+ 25	3	- 1	0·25	- 0·22	16	+ 3	27	+ 6
4. MIDLAND COUNTIES	44	19	39·1	28·7	33·9	- 7·5	0	- 18	57	+ 34	4	0	0·78	+ 0·28	12	+ 1	21	+ 2
5. ENGLAND, S.E.	49	20	41·6	30·3	36·0	- 7·6	0	- 26	42	+ 28	3	- 1	0·60	+ 0·01	10	- 3	16	- 5
Western																		
6. SCOTLAND, WEST	52	14	41·1	30·1	35·7	- 7·0	0	- 20	44	+ 29	4	- 1	1·22	+ 0·03	13	+ 3	23	+ 5
7. ENGLAND, N.W.	49	16	40·4	31·2	35·8	- 7·2	0	- 21	43	+ 30	4	0	0·71	- 0·08	16	+ 6	29	+ 10
8. ENGLAND, S.W.	55	18	45·4	36·3	40·9	- 3·7	10	- 19	23	+ 12	6	+ 1	1·34	+ 0·46	6	- 7	11	- 12
9. IRELAND, NORTH	55	21	47·1	37·3	42·2	- 0·9	21	0	13	- 1	5	0	0·90	0·00	12	0	21	0
10. IRELAND, SOUTH	59	28	50·1	39·8	45·0	+ 0·5	30	+ 1	6	- 6	6	+ 2	1·64	+ 0·73	7	- 8	11	- 13
11. ENGLISH CHANNEL	56	32	50·5	41·7	46·2	- 2·1	31	- 15	1	0	7	+ 2	2·45	+ 1·66	3	- 12	5	- 20
THE SEASON (Autumn).—Aggregates, &c., for the Period of 12 Weeks, September 4th to November 26th, 1910.																		
0. SCOTLAND, NORTH	68	21	*	*	*	*	475	- 37	153	+ 61	52	- 8	9·47	- 4·72	221	+ 20	25	+ 2
Eastern																		
1. SCOTLAND, EAST	72	10	*	*	*	*	487	- 55	184	+ 63	41	- 9	6·84	- 1·03	254	+ 12	29	+ 1
2. ENGLAND, N.E.	74	22	*	*	*	*	625	- 17	147	+ 83	37	- 8	5·11	- 1·69	266	- 2	30	0
3. ENGLAND, EAST	75	19	*	*	*	*	737	+ 4	121	+ 46	38	- 6	5·44	- 0·93	261	- 39	29	- 4
4. MIDLAND COUNTIES	76	19	*	*	*	*	626	- 43	148	+ 56	37	- 6	6·16	- 0·67	224	- 37	25	- 4
5. ENGLAND, S.E.	74	18	*	*	*	*	773	- 54	118	+ 69	36	- 7	7·17	- 0·68	299	- 8	33	0
Western																		
6. SCOTLAND, WEST	69	14	*	*	*	*	566	- 48	144	+ 79	38	- 13	8·99	- 4·27	251	+ 8	28	+ 1
7. ENGLAND, N.W.	73	16	*	*	*	*	626	- 64	109	+ 62	40	- 8	7·93	- 1·77	264	+ 16	30	+ 2
8. ENGLAND, S.W.	71	18	*	*	*	*	745	- 51	68	+ 31	44	- 6	10·66	- 0·27	295	+ 5	33	+ 1
9. IRELAND, NORTH	69	21	*	*	*	*	645	+ 1	87	+ 32	43	- 12	6·65	- 3·49	255	+ 10	29	+ 1
10. IRELAND, SOUTH	70	20	*	*	*	*	725	- 24	61	+ 14	50	+ 1	8·10	- 1·88	249	- 35	28	- 4
11. ENGLISH CHANNEL	74	32	*	*	*	*	977	- 60	3	+ 1	52	- 2	13·72	+ 4·14	330	- 25	36	- 3
THE YEAR.—Aggregates, &c., for the Period of 47 Weeks, January 2nd to November 26th, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	2081	+ 15	748	+ 99	215	- 5	44·37	- 1·23	1155	+ 70	28	+ 2
Eastern																		
1. SCOTLAND, EAST	80	-10	*	*	*	*	2169	- 143	820	+ 79	185	+ 2	29·56	+ 2·12	1282	- 12	31	0
2. ENGLAND, N.E.	81	6	*	*	*	*	2653	+ 61	601	+ 62	171	+ 6	21·87	- 0·33	1319	- 83	32	- 2
3. ENGLAND, EAST	83	17	*	*	*	*	3038	+ 45	514	- 82	173	+ 13	22·56	+ 1·28	1439	- 89	35	- 2
4. MIDLAND COUNTIES	83	10	*	*	*	*	2861	- 44	622	- 3	172	+ 14	24·98	+ 1·89	1297	- 63	31	- 2
5. ENGLAND, S.E.	81	13	*	*	*	*	3124	- 112	412	- 18	170	+ 17	26·35	+ 2·39	1490	- 56	36	- 1
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	2528	+ 11	576	+ 86	190	- 1	42·17	+ 0·06	1328	+ 4	32	0
7. ENGLAND, N.W.	81	7	*	*	*	*	2708	- 49	447	+ 14	194	+ 18	34·52	+ 3·61	1406	+ 61	34	+ 2
8. ENGLAND, S.W.	81	8	*	*	*	*	2969	- 119	310	- 28	189	+ 14	37·88	+ 4·30	1493	- 14	36	0
9. IRELAND, NORTH	79	7	*	*	*	*	2623	- 3	438	+ 38	211	+ 4	35·94	+ 1·94	1250	+ 14	30	0
10. IRELAND, SOUTH	79	18	*	*	*	*	2696	- 39	319	+ 13	221	+ 37	38·50	+ 3·34	1318	- 74	32	- 2
11. ENGLISH CHANNEL	79	28	*	*	*	*	2502	- 121	57	- 54	194	+ 7	36·19	+ 7·93	1679	- 152	41	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked a, and at the hour of evening observation (9 p.m.) at Stations marked p. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked a is supplied by the Royal Meteorological Society, and that for Stations marked p is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.	NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					NAMES OF STATIONS.
		Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).		No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°.	Below 42°.									
																			Day.	
0. SCOTLAND, N.	a, Islands.	p Baltasound	8 45	24th	31	26th	42.6	36.1	39.1	—	3.4	0	20	7	0.55	—	—	—	Baltasound.	
	b, Main-land.	a Sumburgh Head	46	25th	31	26th	43.3	34.9	39.1	—	3.4	4	26	3	0.10	—	0.83	17	Deerness.	
		a Stornoway	47	24th, 25th	30	26th	43.9	36.7	40.3	—	2.2	5	20	6	1.03	—	0.32	10.1	Stornoway.	
		a Castlebay, Barra Isd.	49	24th	32	26th	45.6	39.4	42.5	—	1.7	14	7	5	1.27	—	—	8.1	Castlebay.	
		a Wick	46	24th	23	23rd	43.1	30.1	36.6	—	5.0	3	42	5	0.66	—	0.01	—	—	
		p Strathpeffer	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	Strathpeffer.	
1. SCOTLAND, E. . .	b, Main-land.	p Glencarron	44	23rd	24	21st	39.3	30.1	34.7	—	5.7	0	51	4	0.56	—	1.57	—	—	
		p Fort Augustus	46	23rd	21	22nd	40.0	30.0	35.0	—	6.2	0	49	4	0.54	—	0.47	4.3	Fort Augustus.	
		p Fort William	47	23rd	24	22nd	40.6	31.2	35.9	—	6.5	0	43	4	0.61	—	1.32	—	—	
		p Gordon Castle	41	26th	25	23rd	41.1	31.9	36.5	—	5.2	0	39	6	0.68	—	0.12	7.2	Gordon Castle.	
		a Nairn	43	24th	23	23rd	39.7	28.9	34.3	—	6.5	0	54	6	0.28	—	0.19	8.4	Nairn.	
		a Aberdeen	45	25th	25	23rd, 24th	41.7	31.9	36.8	—	4.8	0	36	6	0.71	—	0.04	13.0	Aberdeen.	
2. ENGLAND, N.E.	b, South.	a Balmoral	44	24th	10	23rd	41.4	25.6	33.5	—	4.3	0	60	4	0.30	—	0.66	14.0	Balmoral.	
		p Crieff	45	21st	23	22nd, 23rd	40.1	28.3	34.2	—	6.6	0	55	4	0.77	—	0.23	22.7	Crieff.	
		a Leith	45	26th	24	23rd	40.9	30.1	35.5	—	7.3	0	46	3	0.22	—	0.23	—	—	
		a West Linton	38	25th, 26th	15	22nd	36.4	23.6	30.0	—	9.6	0	84	4	0.36	—	—	16.5	West Linton.	
		p Marchmont	44	22nd	23	20th	39.3	29.7	34.5	—	5.8	0	53	4	0.33	—	0.36	12.1	Marchmont.	
		a Alnwick Castle	41	21st, 25th	24	23rd, 24th	39.7	30.4	35.1	—	6.9	0	48	7	0.30	—	0.44	15.7	Alnwick Castle.	
3. ENGLAND, E.	b, South.	a Shields	43	21st, 25th	23	20th, 21st	40.9	28.3	34.6	—	8.2	0	52	5	0.30	—	0.17	8.1	Shields.	
		p Durham	42	22nd	23	23rd	38.5	28.9	33.7	—	7.7	0	53	3	0.20	—	0.33	16.2	Durham.	
		p Rounton	41	21st, 25th	22	20th, 23rd	38.8	27.5	33.2	—	8.2	0	62	3	0.09	—	0.37	—	—	
		p Scarborough	44	25th	23	23rd	40.1	29.9	35.0	—	7.4	0	49	3	0.07	—	0.39	14.9	Scarborough.	
		a York	44	25th	23	23rd	40.9	32.7	36.8	—	6.9	0	36	0	0.00	—	0.41	—	—	
		a Spurn Head	43	23rd	30	23rd	40.9	32.7	36.8	—	6.9	0	36	0	0.00	—	0.41	—	—	
4. MIDLAND COUNTIES.	b, West.	a Lincoln	42	21st, 25th	23	23rd	39.8	28.0	33.9	—	7.8	0	57	3	0.08	—	0.34	21.3	Lincoln.	
		a Fulbeck	44	21st	24	23rd	39.0	28.2	33.6	—	7.6	0	59	2	0.19	—	0.25	18.3	Fulbeck.	
		p Cromer	44	21st	32	20th, 26th	41.6	34.6	38.1	—	4.1	0	27	5	0.14	—	—	11.8	Cromer.	
		p Hillington	44	24th	24	23rd, 26th	39.2	28.7	34.0	—	7.7	0	56	1	0.02	—	0.54	19.5	Hillington.	
		a Yarmouth	45	22nd	25	24th	42.0	32.4	37.2	—	5.9	0	34	4	0.37	—	0.15	18.1	Yarmouth.	
		a Norwich	43	22nd	25	23rd	40.6	30.3	35.5	—	6.9	0	46	4	0.17	—	—	—	—	
5. ENGLAND, S.E. . .	b, West.	p Geldeston	45	22nd	25	23rd	42.0	31.2	36.6	—	6.4	0	38	4	0.07	—	0.44	17.5	Geldeston.	
		p Cambridge	44	21st	19	23rd	40.4	27.4	33.9	—	8.4	0	57	1	0.20	—	0.22	15.9	Cambridge.	
		a Felixstowe	44	23rd	27	23rd	42.0	32.4	37.2	—	6.7	0	34	1	0.02	—	—	20.0	Felixstowe.	
		a Clacton-on-Sea	43	23rd, 24th	27	23rd, 24th	41.7	31.6	36.7	—	6.9	0	37	2	0.02	—	—	17.7	Clacton.	
		a Rothamsted	41	22nd, 25th	21	23rd	39.6	27.6	33.6	—	8.4	0	59	5	0.59	—	0.01	14.6	Rothamsted.	
		a Shoeburyness	42	21st, 23rd, 24	25	23rd	41.0	31.0	36.0	—	8.0	0	42	1	0.18	—	0.24	12.8	Shoeburyness.	
6. SCOTLAND, W. . .	b, ISLE OF MAN . .	p Tottenham	42	21st, 24th	23	23rd	39.8	29.5	34.8	—	8.7	0	50	3	0.63	—	—	11.1	Tottenham.	
		a Harrogate	43	21st	27	20th, 23rd	37.9	30.8	34.3	—	6.8	0	53	3	0.30	—	0.32	18.1	Harrogate.	
		a Bawtry	44	21st	20	23rd	38.6	28.0	33.3	—	8.5	0	61	3	0.30	—	0.15	17.1	Bawtry.	
		p Buxton	40	21st	17	22nd	34.8	26.2	30.5	—	9.3	0	81	3	0.83	—	0.27	12.8	Buxton.	
		a Nottingham	44	21st	22	23rd	37.9	27.3	32.6	—	9.6	0	66	3	0.48	—	0.04	10.3	Nottingham.	
		p Birmingham, Edgbn	39	20, 21, 22, 25	26	22nd	37.7	30.9	34.3	—	7.8	0	54	4	0.92	—	0.39	4.6	Birmingham.	
7. ENGLAND, N.W. . .	b, NORTH WALES . .	a Raunds	43	21st	19	23rd	39.4	26.4	32.9	—	8.8	0	64	2	0.56	—	—	—	—	
		a Oxford	43	21st	21	23rd	39.3	27.0	33.2	—	9.5	0	62	4	0.62	—	0.09	10.0	Oxford.	
		a Chislehurst	44	22nd	27	21st	38.2	29.3	33.8	—	7.2	0	57	4	1.15	—	0.50	15.4	Chislehurst.	
		p Shrewsbury	43	20th	21	22nd	38.9	28.0	33.5	—	9.6	0	60	4	1.32	—	—	—	—	
		a Hereford	42	24th, 26th	23	21, 22, 23rd	40.4	29.0	34.7	—	7.8	0	51	5	1.07	—	0.52	—	—	
		a Cirencester	43	24th	23	22nd	39.6	28.2	33.9	—	7.6	0	57	3	0.98	—	0.32	12.0	Cirencester.	
8. ENGLAND, S.W. . .	b, SOUTH WALES . .	a Bath	44	23rd, 24th	25	21st, 22nd	42.1	30.3	36.2	—	7.2	0	41	5	0.88	—	0.19	11.2	Bath.	
		p Kew	42	21st, 24th	23	23rd	39.6	28.8	34.2	—	8.8	0	55	2	0.50	—	0.03	7.6	Kew.	
		a Marlborough	42	21st, 24th	20	21st	40.3	26.8	33.6	—	7.8	0	59	3	0.67	—	0.14	8.4	Marlborough.	
		a Margate	48	21st	27	23rd	42.3	33.1	37.7	—	6.7	1	31	2	0.06	—	0.46	13.7	Margate.	
		a Wisley, Surrey	42	22nd, 26th	30	23rd	40.5	27.2	33.9	—	9.8	0	67	2	0.45	—	—	8.1	Wisley.	
		a Swaraton	43	26th	21	21st, 22nd	40.8	27.8	34.3	—	7.9	0	54	4	0.74	—	0.00	11.7	Swaraton.	
9. IRELAND, N. . .	b, EAST . . .	a Tunbridge Wells	41	24th, 26th	23	22nd	39.1	28.0	33.6	—	9.3	0	59	3	0.46	—	0.31	8.8	Tunbridge Wells.	
		a Dungeness	45	23rd, 26th	25	21st	43.3	30.0	36.7	—	8.6	4	43	1	0.99	—	0.33	10.5	Dungeness.	
		p Hastings	44	23rd	29	20th	42.6	32.5	37.6	—	7.4	2	34	3	0.30	—	0.41	12.2	Hastings.	
		p Southampton	44	23rd	28	21st, 22nd	42.0	32.3	37.2	—	7.4	0	34	6	0.89	—	0.16	6.3	Southampton.	
		a Ventnor	49	20th	32	21st	45.5	36.6	41.1	—	6.1	10	22	6	0.81	—	0.06	10.4	Ventnor.	
		a Westminister	43	24th	25	22nd, 23rd	41.0	29.4	35.2	—	8.2	0	43	4	0.58	—	0.07	11.2	Westminister.	
10. IRELAND, S. . .	b, WEST . . .	a Greenwich	42	24th, 26th	22	23rd	39.7	28.6	34.2	—	9.2	0	55	3	0.56	—	0.05	1.9	Greenwich.	
		p Kew	42	21st, 24th	23	23rd	39.6	28.8	34.2	—	8.8	0	55	2	0.50	—	0.03	7.6	Kew.	
		a Marlborough	42	21st, 24th	20	21st	40.3	26.8	33.6	—	7.8	0	59	3	0.67	—	0.14	8.4	Marlborough.	
		a Margate	48	21st	27	23rd	42.3	33.1	37.7	—	6.7	1	31	2	0.06	—	0.46	13.7	Margate.	
		a Wisley, Surrey	42	22nd, 26th	30	23rd	40.5	27.2	33.9	—	9.8	0	67	2	0.45	—	—	8.1	Wisley.	
		a Swaraton	43	26th	21	21st, 22nd	40.8	27.8	34.3	—	7.9	0	54	4	0.74	—	0.00	11.7	Swaraton.	
11. ENGLISH CHANNEL . .	b, WEST . . .	a Tunbridge Wells	41	24th, 26th	23	22nd	39.1	28.0	33.6	—	9.3	0	59	3	0.46	—				

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	38.4	—	Harrogate	5	21	38.6	42.4	6. Dumfries	6	17	35.6	43.3
1. Aberdeen	—	—	—	43.2	Huddersfield	5	18	37.2	44.9	Douglas	3	25	—	—
Crathes	3	11	37.1	42.6	Buxton	5	11	36.3	45.7	Aspatia	4	14	36.6	45.4
Balmoral	4	8	—	—	Sheffield	5	22	37.6	46.0	Newton Rigg	7	11	39.5	44.6
West Linton	5	7	—	—	Nottingham	6	20	34.3	43.2	Burnley	5	13	35.7	45.0
Marchmont	5	19	34.7	—	Birmingham	6	13	38.3	46.8	Southport	5	15	36.2	43.5
Cockle Park	7	22	34.4	41.1	Oxford	5	17	—	—	Manchester City	4	25	36.0	46.2
Durham	5	20	—	—	Hereford	5	17	—	—	Bettws-y-Coed	3	25	38.9	45.7
York	—	—	39.7	44.8	Cirencester	5	21	39.3	45.9	Llangammarch Wells	5	8	40.1	47.6
Hull	5	21	37.4	46.6	Bath	—	—	40.6	47.6	Cardiff	4	21	38.3	46.5
Lincoln	—	—	37.1	45.4	Margate	2	25	40.9	46.7	Clifton	6	21	—	—
Raunceby	6	18	37.5	46.8	Greenwich	5	17	—	—	Plymouth	1	26	44.7	—
Norwich	7	20	—	—	Westminster	5	21	—	—	9. Armagh	4	15	41.2	46.5
Yarmouth	—	—	36.9	45.7	Kew	5	15	37.1	46.9	Markree	2	24	43.0	48.2
Lowestoft	5	24	38.8	46.5	Canterbury	6	18	37.7	45.9	10. Dublin, Trin. Coll. ..	3	21	41.8	46.1
Cambridge	6	19	37.4	46.0	Tunbridge Wells	5	14	38.2	—	11. Guernsey, Brooklyn	1	26	45.9	50.3
Clacton-on-Sea	5	20	40.9	48.4	Wisley	5	16	36.8	45.9					
Southend	5	20	39.6	—	Worthing	5	21	39.1	48.3					
Tottenham	6	18	—	48.0	Portsmouth	5	20	40.7	48.0					
					6. Glasgow	4	15	—	—					
					Rothsay	—	—	—	44.3					
					Colmoneil	4	17	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	45	44	44.6	SCOTLAND, W.	Lamlash	49	48	48.4
	Kirkwall	42	39	40.5		Ballantrae	46	43	43.9
	Wick	47	46	46.4		Port Erin	50	47	48.0
SCOTLAND, E.	Cromarty	41	39	40.1	ENGLAND, N.W.	Newquay	53	51	51.8
	Pennan Bay	42	38	40.0		Selly	51	49	50.0
	Aberdeen, Cove Bay ..	45	44	44.7		Plymouth†	53	53	52.9
ENGLAND, N.E.	Burnmouth, Berwick ..	43	43	43.0	ENGLAND, S.W.	Salcombe	51	48	49.5
	Scarborough	45	40	43.4		Sheephaven	47	46	46.1
	Shipwash Lightship ..	47	44	45.4		Teelin	55	51	53.0
ENGLAND, E.	Margate†	42	40	41.3	IRELAND, N.W.	Cleggan	50	44	46.8
	Eastbourne†	45	44	44.1		Seafeld	50	46	47.3
ENGLAND, S.E.					IRELAND, E.				

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," E.I. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\longrightarrow$ = a fresh to strong breeze; $\longleftarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

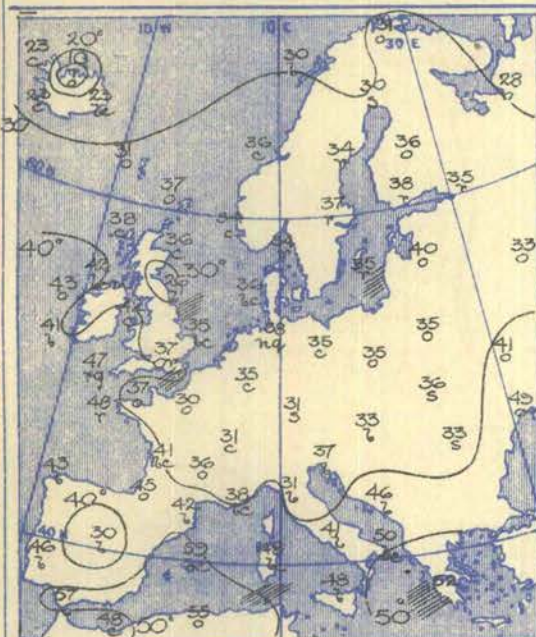
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 20th November, 1910.

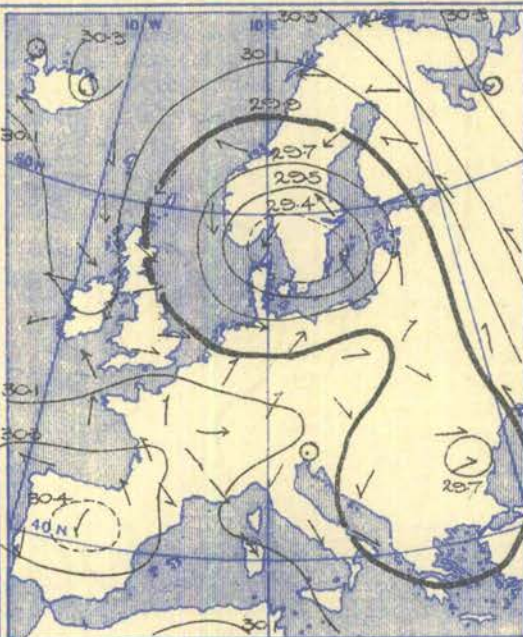
Temperature and Weather.

7 a.m.

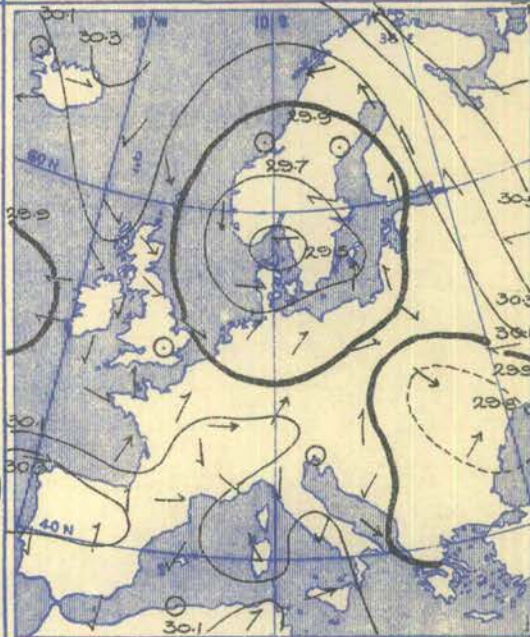


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning varying greatly over these Islands; fair generally, but showery or rainy in the south of England and at Castlebay. Cloudy or overcast over the western and north-western regions of the Continent, with rain in places over a wide area. Snow or rain falling at a few stations in central and eastern Europe, and also at Malta, but conditions fine over the Mediterranean as a whole. Various amounts of precipitation later in most districts over the northern half of our area, and also in southern Russia and Transylvania. As much as 1.8 in. at Gap and 1.1 in. at Hermanstadt.

Temperature fallen at most places in the south of our area, changed irregularly elsewhere. Morning readings ranging from 55° at Algiers and 52° at Malta to below 40° generally, and below 32° in the north-east of Britain, a large portion of France, and in the far north. Maxima during day below 40° in many parts of Great Britain, in the east of France, and over a vast area in central and northern Europe. Thermometer only touching 49° at Naples, but rising to 67° at Malta, and to 72° at Oran. Sharp frost at night in England.

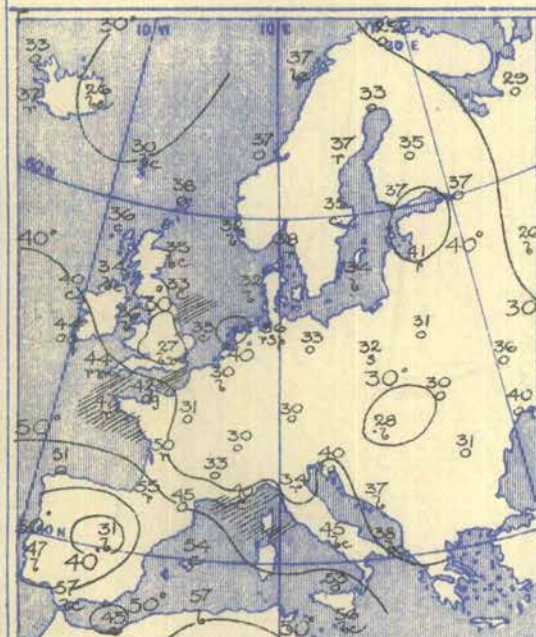
Wind in morning cyclonic over the major portion of our area, the chief movement being over the northern half of the Continent. A northerly gale prevailing on Christiania Fjord, and Westerly to Southerly current strong on the Baltic. A light to fresh North-Westerly current general over the north and east of our Islands. Not much change later in day.

Barometer in morning above 30.4 ins. in central Spain and also in the north of Russia, and very little lower in Iceland. Below 29.4 ins. in a depression over southern Sweden, below 29.7 ins. in another in the south-east of our area, and relatively low in a shallow disturbance off our south-west coasts. Main depressions and general distribution undergoing little change during day, but the shallow minimum in the south-west moving to Brittany. A large depression on the Atlantic travelling slowly towards this country.

Monday, 21st November, 1910.

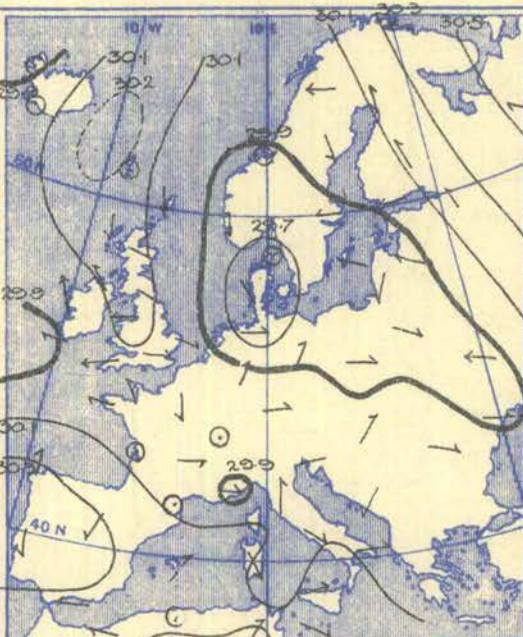
Temperature and Weather.

7 a.m.

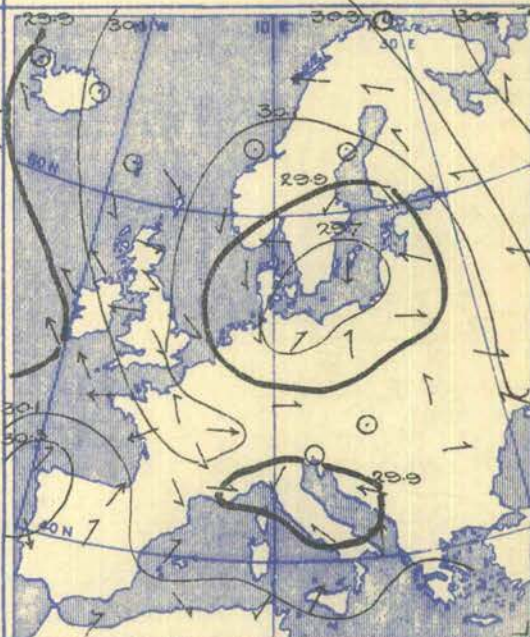


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine and bright at nearly all our own stations and at many in the far south of our area; overcast in most other regions, with rain in the west of France, the north of Italy, at Hernösand, and Skagen, and snow in some German localities. A little rain or snow later in various parts of these Islands and larger quantities in the western districts of France, Germany, the Netherlands, and Italy. More than 1.0 in. at Leghorn.

Temperature changed irregularly. Readings in morning ranging from 60° at Oran and 56° at Malta to below 32° in central and south-eastern England and over various parts of the Continent, including central Spain. Remaining below 45° during day in this country and the north of Italy, and below 40° over a large area in central Europe; rising to 66° at Malta and Algiers, but only touching 50° at Naples and Nice, and 45° at Rome. Falling to below 25° in some parts of England at night, and to 26° at Turin.

Wind in morning anticyclonic both in the north-west and south-west of our area; cyclonic elsewhere, a vast circulation prevailing over the northern half of Europe, and another on the Atlantic and the Bay of Biscay. Easterly breeze strong at Scilly and Valencia, and fresh to strong breezes reported from various stations on the Continent, but little force generally. Not much change later as a whole, but a high wind from the South-Westward setting in in the south-west of France, and on some shores of the Mediterranean.

Barometer in morning below 29.7 ins. in a large depression centred over Denmark and relatively low in a large system to the westward of Ireland and also in a smaller one over the Riviera. Above 30.5 ins. in the north of Russia, above 30.2 ins. over the Spanish Peninsula and its neighbourhood, and also between Scotland and Iceland. No change of importance in the general distribution of pressure during day, and little in the height of the barometer, but an anticyclonic band becoming more marked over Great Britain.

Tuesday, 22nd November, 1910.

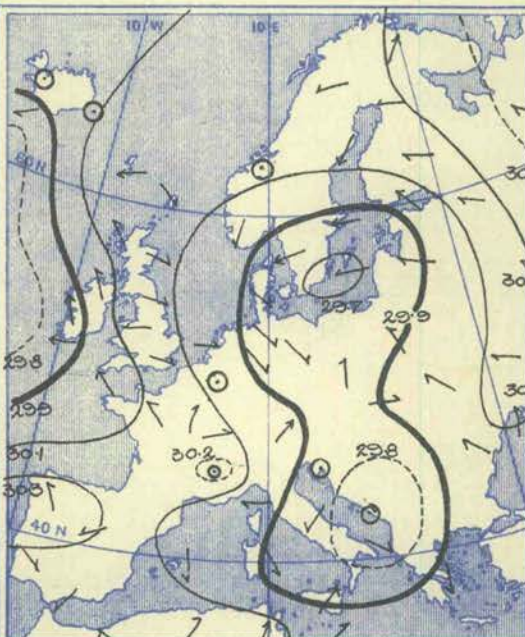
Temperature and Weather.

7 a.m.

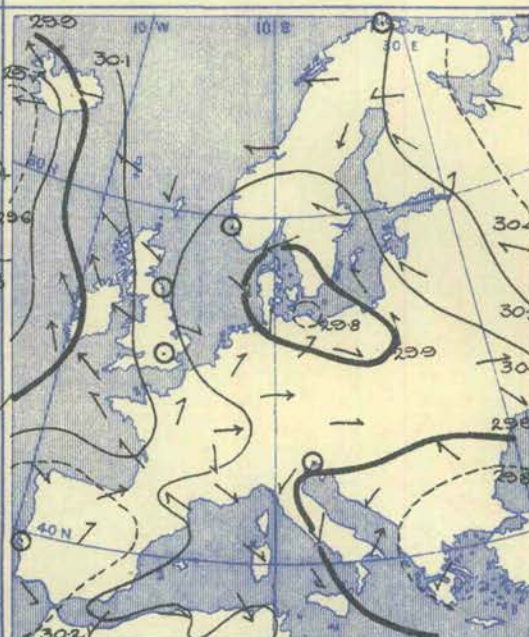


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning generally fair to fine over the south of our area, but rainy at Patras. Fine at many stations over these Islands and the northern half of Europe, but rain falling at several places, and snow at Belfort and Hango, and also over a considerable area in central Europe. More than an inch of rain later in the south of Ireland and smaller amounts in the west of these Islands generally, as well as in the south-east. Considerable quantities in the west and north-west of France, and a little in places over central and northern Europe.

Temperature risen in the west of these Islands, fallen over the major portion of our area. Morning readings below 20° at Hermanstadt and below 32° over a large area in Great Britain and on the Continent. About 50° on the south-west coast of Ireland and at various stations in the far south, and as high as 63° at Algiers. Remaining below 35° throughout the day in some parts of the English Midlands, and also in the central countries of Europe and the east of France, below 40° at Turin, and only touching 43° at Marseilles. Maxima above 55° in the south-west of Ireland. Sharp frost at night in England and Scotland, thermometer falling to about 20° in the Midlands.

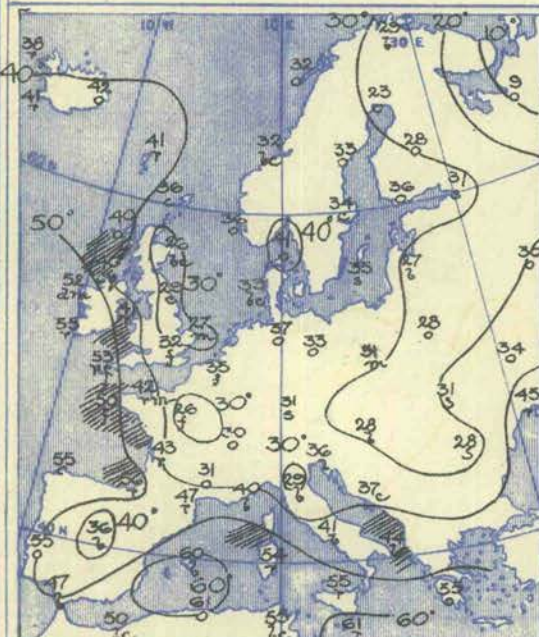
Wind in morning cyclonic very generally, the chief circulation being over the Baltic and the surrounding regions. Moderate in force as a whole, but strong in some localities and high at Munich. A fresh to strong South-Easterly breeze prevalent in the south-west of these Islands. Very little change later in day except a decrease in force generally, and a decided increase from the South-Eastward in Iceland.

Barometer in morning highest in the north of Russia and relatively high in the north of Scandinavia, the north of Spain, and in a band extending over Great Britain and France. Low in a large depression some distance to the westward of Ireland, and below 29.8 ins. in a well-marked disturbance centred over the Baltic and in another over the Adriatic. Atlantic depression extending slowly over the United Kingdom during day, and gradient for Southerly and South-Easterly winds increasing decidedly during the night.

Wednesday, 23rd November, 1910.

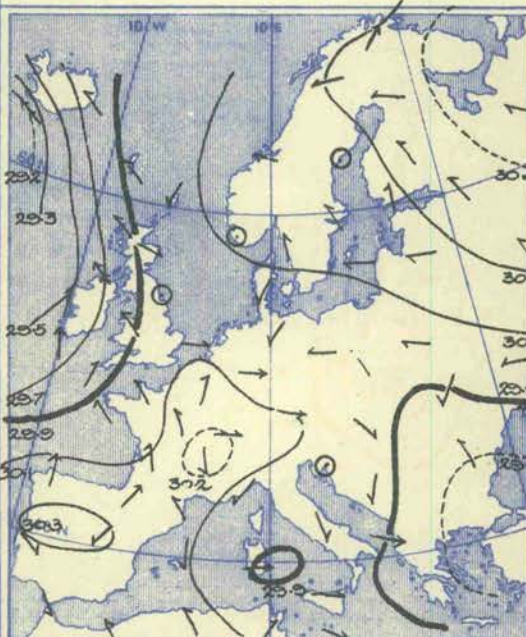
Temperature and Weather.

7 a.m.

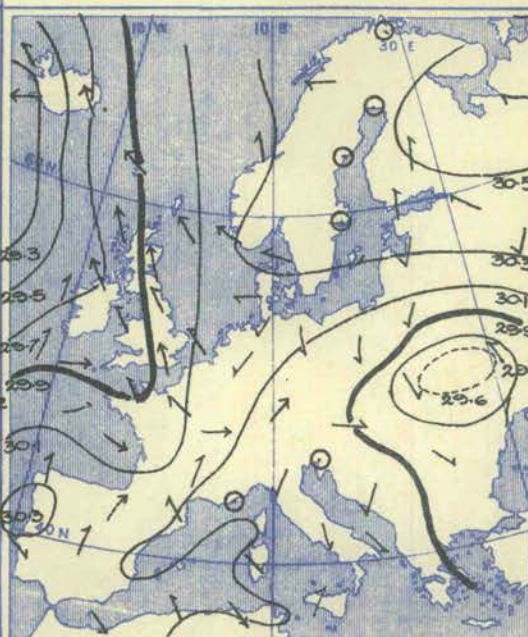


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the west and south-west of the United Kingdom and in some parts of the Mediterranean region, and snow falling at various stations in central and northern Europe. Fog prevailing at Scilly, on the coast of Brittany, and in several parts of England, and a good deal of cloud except in Italy and the south of Spain. Heavy rain later at many of our own southern and north-western stations and in the northern and western districts of France, and in Austria and Little Russia. Largest rain measurement, 1.2 in. at Jersey.

Temperature risen in most parts of these Islands and Brittany, fallen or changed irregularly elsewhere. Morning readings about 60° at a few stations in the far south and 55° in the south-west of Ireland; below 32° over the major portion of the Continent and large districts in Britain; as low as 9° at Archangel. Remaining at about 32° all day in various parts of central and northern Europe, and below 40° at some English stations; only touching 50° at Nice, Marseilles, Rome, and Naples, but rising to 68° at Algiers and to 72° at Malta.

Wind in morning mainly South-Easterly over these Islands and the Icelandic region; fresh to high on some parts of our western coasts, with a gale at Malin Head; strong to a gale in Iceland. Generally moderate or light from various points over the mainland of Europe and the Mediterranean. Becoming South-Easterly very generally later in these Islands, but veering to West at Scilly and in the west of France; decreasing in force on our west coast.

Barometer in morning above 30.5 ins. in the north-east of our area and not much lower in the south-west; below 29.2 ins. off the south-west of Iceland and relatively low in minima on the Continent and the Mediterranean. Little change occurring in the general distribution during day, but a depression in eastern Europe becoming more marked and the surrounding gradient increasing, and a secondary of a "V-shaped" character extending over our western and south-western districts from the Atlantic low pressure system. North-Eastern anticyclone extending in a South-Westerly direction.

Thursday, 24th November, 1910.

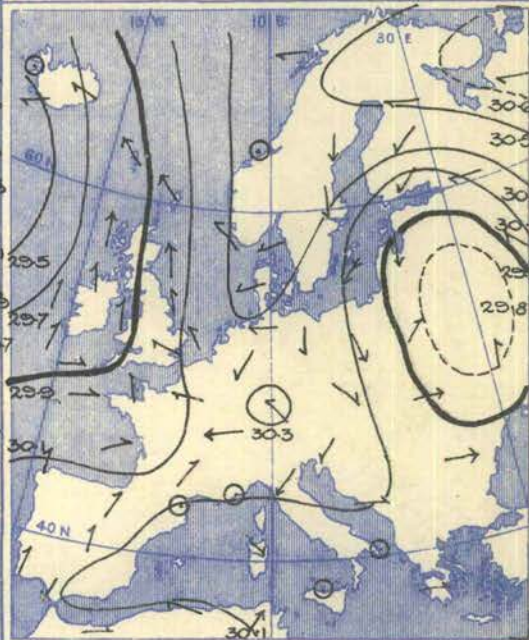
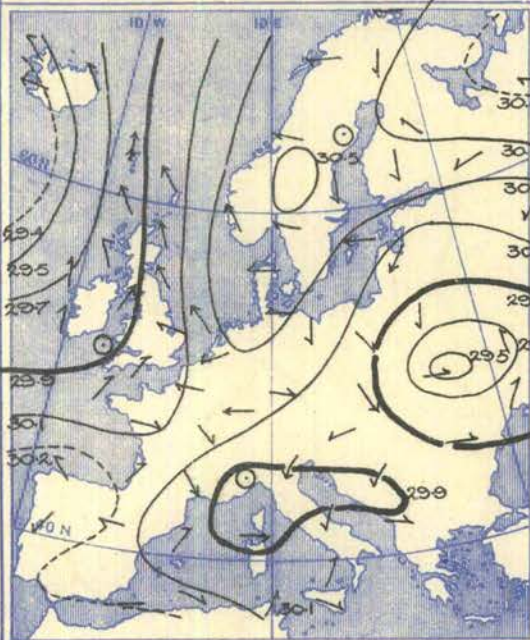
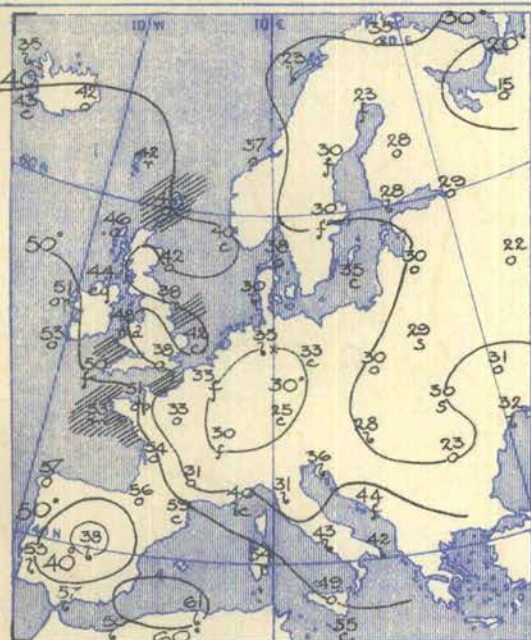
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning rainy in many parts of these Islands and at several French stations, snow falling in Poland, and much cloud prevailing over the northern half of the Continent. Fair to fine and bright at most places in the south, but rain at Sangulnaire and Cagliari. Rain becoming more general over the United Kingdom later in day, and also in France, and considerable quantities of snow falling in Russia.

Temperature risen in Great Britain and France, fallen over a large area in central Europe. Morning readings ranging from 61° at Algiers to below 50° at most other stations on the shores of the Mediterranean, and to below 32° over the major portion of the Continent, including the north of Italy. Maxima during day about 40° in many English localities and in the north and east of France, but about 32° at several stations in central Europe. Thermometer rising to 72° at Algiers, 73° at Barcelona, and to 75° at Stax, but only touching 50° at Patras and 49° at Naples. Severe frost at night in Bavaria.

Wind in morning mainly between South-East and South over these Islands and the Icelandic region; fresh to strong at a few stations, and blowing a gale at Thorshavn. Light and anticyclonic over northern Europe, cyclonic in the east and also on the Mediterranean. Little change as a whole later in day, but South-Easterly current increasing to a high wind in Shetland, a gale from North-North-East setting in over the Baltic, and from East at Belfort.

Barometer in morning above 30.6 ins. in the north of Russia, 30.5 ins. in the south of Scandinavia, and 30.2 ins. over the greater portion of the Spanish Peninsula. Below 29.5 ins. in a well-marked depression centred near Lemberg, and lower in a large system on the Atlantic to the south and south-west of Iceland. Pressure decreasing over Scandinavia during day, but increasing over central Europe. Main Atlantic depression advancing no nearer these Islands, but a small secondary system developing over our south-western districts and Brittany.

Friday, 25th November, 1910.

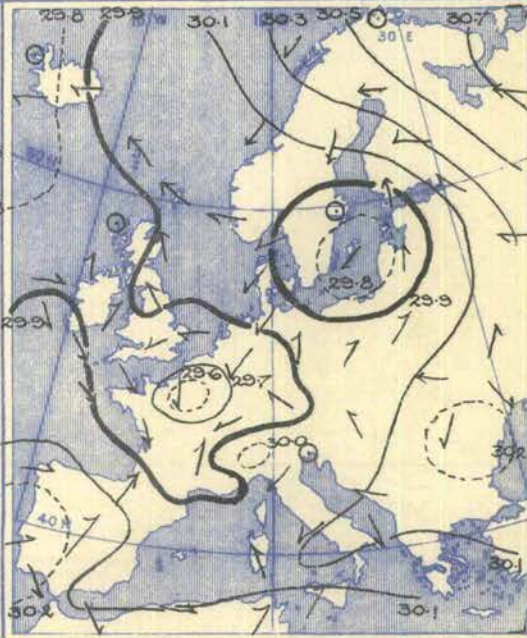
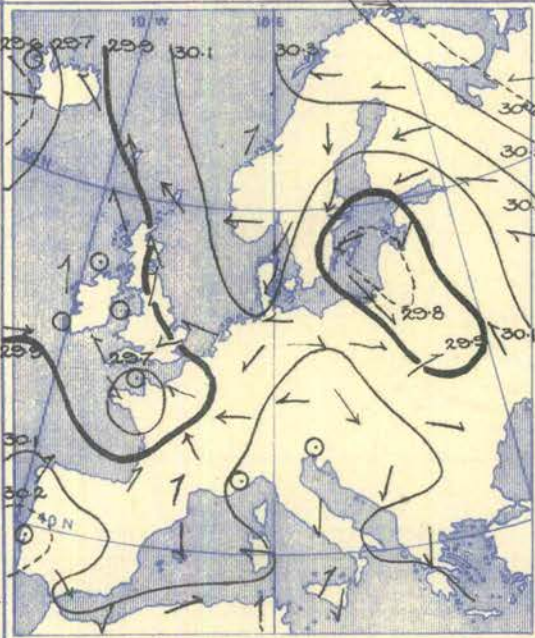
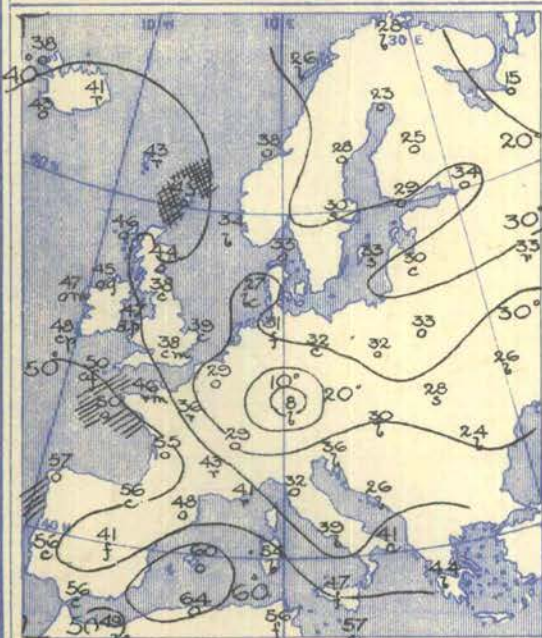
Temperature and Weather.

7 a.m.

Barometer and Wind.

7 a.m.

6 p.m.



Weather in morning overcast very generally over the western and north-western regions of our area, with rain in many parts of France, and at some of our own western stations. Snow falling in the south of Sweden and at Cracow and Moscow, and much cloud prevailing over the central countries. Fair to fine and bright over the greater portion of the Mediterranean. Considerable quantities of rain later in the west and north of these Islands and large amounts in many French localities, as well as in Switzerland and northern Italy.

Temperature fallen in most regions. Morning readings ranging from about 60° at a few places in the far south of our area to below 32° over the major portion of the Continent, to below 20° in the north-east and north, and to 8° at Munich. Maxima during day about the freezing point over a large area in central Europe, and below 40° except in various parts of the United Kingdom and in the southern countries. Thermometer rising to 72° at Algiers but only touching 51° at Brindisi. Slight frost in England at night.

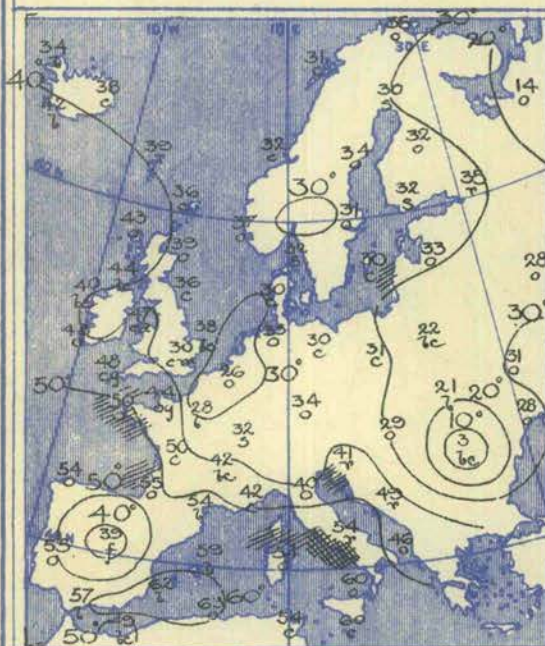
Wind in morning mainly cyclonic except in the south and south-west of our area; fresh to strong in force over the Baltic and in some other regions, but mostly light or moderate. No general change later in day, but becoming high from the Westward in the south-west of France.

Barometer in morning below 29.7 ins. in a depression centred over Brittany, and nearly as low in another over East Prussia. Above 30.6 ins. in the extreme north of Russia, and relatively high in the extreme south-west of our area. No important change occurring later in the general type of pressure distribution; depression over Brittany moving eastward and apparently growing rather deeper. Pressure increasing steadily over the south-east of the Continent.

Saturday, 26th November, 1910.

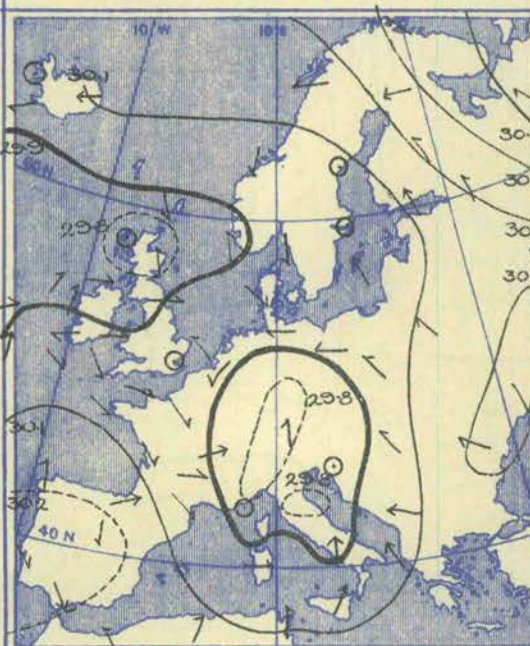
Temperature and Weather.

7 a.m.

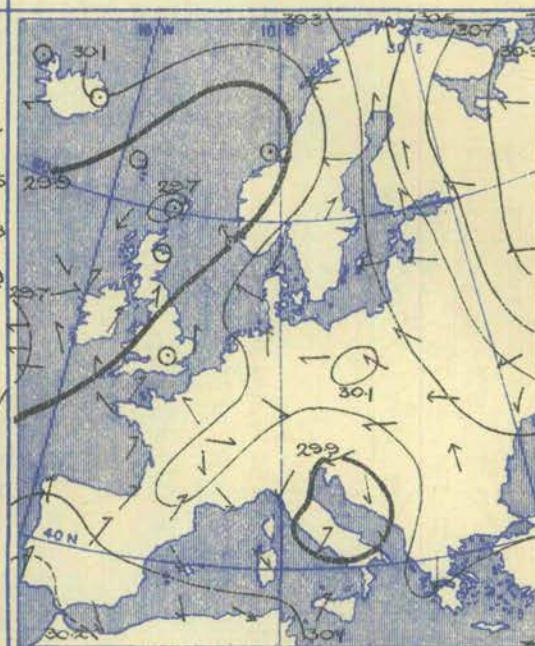


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or dull in nearly all parts of these Islands, with snow at Oxford and rain at some northern stations. Snow falling in some parts of Scandinavia and at Belfort, and rain over a large portion of Italy, and also at Bilbao. More or less rain experienced later in the United Kingdom, France, and several other parts of the Continent, and much snow at Skudesnaes. Some stations in Brittany measuring about 0.5 in., Oporto, Patras, and Lesina 0.8 in., and Skudesnaes 1.3 in.

Temperature changed rather irregularly; risen in Germany and the south of Europe, fallen in these Islands and in many other regions. Readings in morning about 50° over a considerable area in the south and as high as 60° in places. Not much below 32° in central Europe, but as low as 14° at Archangel and 3° at Hermanstadt. Remaining below 40 throughout the day in some parts of England, and scarcely exceeding 32° over a large area on the Continent, but rising to 70° at Malta, 73° at Tunis, and to 77° at Sfax.

Wind in morning cyclonic over these Islands and the major portion of the Continent, the chief circulations being over this country and Italy. Light to moderate in force generally, but fresh to strong on some shores of the Mediterranean, and also at a few stations in northern Europe. Increasing to a high wind from the Eastward later at Sicily and to a gale at Portland Bill, as well as at Skudesnaes. Decreasing in force over Italy and its neighbourhood.

Barometer in morning above 30.7 ins., in the north of Russia, and relatively high in the north-west and south-west of our area. Low in several depressions of slight or moderate intensity situated in different parts of our area, and also on the Atlantic some way off the west of Ireland. Pressure increasing very decidedly during day in Russia, and becoming as high as 31.13 ins. at Moscow at 6 p.m. A depression of increasing intensity appearing over our extreme south-western districts, and gradient becoming rather steep. Gradient growing steep around the Russian anticyclonic system.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Nov. 20th, 10.40 a.m. to 12.30 p.m.	Brighton, 115 m.	Temperature Humidity Wind ..	277.2° 84% 320°, 5.4	277° 84% 310°, 10.3	277° 84% 310°, 7.6						Overcast Stratus, lowest 500 m. Rain at times. Temp. pen defective.
2	Nov. 21st, 3.3 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	278° 100% 100°, 10	277.5° 100% 100°, 15	276° 100% 7°, 18	0°, 8.0	0°, 9.5				Two theodolites to 650 m. No clouds. Wind direction 320° a little above surface. Remarkable increase of velocity to 500 m.
3	Nov. 24th, 12.0 a.m. to 12.30 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	278° 100% 100°, 10	277.5° 100% 100°, 15	276° 100% 7°, 18						Lost in low clouds at 300 m.
4	Nov. 25th, 3.11 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind ..	278° 100% 100°, 10	277.5° 100% 100°, 15	276° 100% 7°, 18	32°, 8.0	75°, 11.0	75°, 7.5			Two theodolites to 1,150 m. Sky covered with alto-cu. Balloon lost behind patch of lower cloud.

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4
No. of Kites ..	1	—	1	—
Area of Surface (sq. metres) ..	4.5	—	4	—
Capacity of Balloon (cub. metres) ..	—	0.15	—	0.45
Length of Wire (metres) ..	1,300	—	550	—

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 385

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FEETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 48. FORTY-EIGHTH WEEK, SUNDAY, NOVEMBER 27TH, TO SATURDAY, DECEMBER 3RD, 1910.

[Price 6d
Annual Subscription
post paid £1 10s. 0d]

I.—General Remarks.

Weather. The general condition was very dull and unsettled, with frequent rain, lasting in some instances for 48 or more consecutive hours, but in the north of Scotland and in Ireland the weather was bright and cold. Aurora was seen in the north-east of Scotland on the nights of the 29th and 30th.

Temperature was below the average, the deficit amounting to at least 5° in Scotland W., England N.W. and Ireland S., to more than 3° in several other districts, and to about 1½° in England E. and the English Channel. The highest of the maxima were registered, as a rule, at the beginning of the week, and ranged from 56° in the English Channel, and 54° in England S.W. to 45° in Scotland N. and E., and England N.E. The lowest of the minima were registered about the middle of the week; they varied from 19° in Scotland E. and Ireland N., and 20° in England N.W. to 26° in Scotland N. and England E., and to 38° in the English Channel. The lowest readings on the grass were 14° at Markree Castle, West Linton, and some stations in Cumberland, 15° at Burnley, Southport, and Llangammarch Wells, 17° at Kew, and 18° at Tunbridge Wells.

Mean Temperature of the Sea.—Generally the water was rather colder than during the corresponding week of last year, but at some stations on the north-east and south-west coasts of England, it was rather warmer. The means for the week ranged from 52° at Plymouth and 50° at Newquay and Salcombe to about 41·5° at Kirkwall and Pennan Bay, and to a little below 41° at Cromarty.

Rainfall varied considerably in different parts of the Kingdom. In Ireland N. it was very slight, and in Ireland S., and in Scotland and England N.W. it was much below the average. Elsewhere there was a large excess, especially in the south and south-east of England and the Midlands. Many localities in England experienced a fall of more than an inch within 24 hours, the chief amounts being on December 1st in the Midland and Eastern counties. At Nottingham the fall was 1·52 in., at Felixstowe 1·43 in. and at Rauceby 1·3 in. At Raunds 1·33 in. fell on December 1st and 1·15 in. on the 2nd, while the total fall for four days almost continuous rain was 4·23 ins. Falls of more than an inch occurred at some western and south-western stations earlier in the week.

Bright Sunshine exceeded the normal in Scotland N. and in Ireland, and equalled it in Scotland E. In all other districts there was a deficit. The percentage of the possible duration ranged from 27 in Ireland N. and 23 in Scotland N. and Ireland S. to 10 in England S.W., 8 in the Midland Counties, 6 in England E. and 5 in England S.E.

Barometer and Wind.—During the early days of the week the centre of a rather deep depression travelled north-eastwards across England and subsequently northward to Norway, strong to high winds accompanying its progress across this country. This system was followed by others from the Bay of Biscay which produced very strong to high winds from East and North-East on many parts of the English coast, a gale at times on Wednesday. With the formation of an anticyclone over Scotland and its neighbourhood the progress of the depression northward was arrested, the system partially dispersing, and the wind in these Islands becoming moderate or light in force.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 388.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with aver- age for the time of year	Warmth ...	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Light	Moderate	Very heavy	Very heavy	Very heavy	Very heavy	Light	Moderate	Heavy	Very light	Light	Heavy	
	Sunshine ...	Very abundant	Moderate	Scanty	Very scanty	Scanty	Very scanty	Moderate	Moderate	Scanty	Abundant	Moderate	Scanty	

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

AUTUMN, 13 weeks from Sept. 4th, 1910.	Warmth ...	2 * 5	2 * 5	5 * 8	5 * 6	3 * 7	4 * 8	3 * 5	3 * 8	3 * 7	4 * 4	3 * 6	3 * 6
	Rainfall ...	3 * 9	3 * 7	3 * 8	5 * 5	4 * 3	5 * 4	1 * 6	4 * 7	4 * 5	2 * 8	2 * 7	6 * 4
	Sunshine ...	7 * 1	6 * 3	6 * 5	2 * 6	2 * 6	5 * 6	4 * 3	5 * 2	5 * 6	5 * 3	2 * 4	1 * 6

PAST SEASONS.

AUTUMN, 1909. Sept. 5th-Dec. 4th. 13 weeks.	Warmth ...	2 * 6	3 * 5	2 * 6	4 * 5	4 * 5	3 * 6	3 * 7	3 * 6	3 * 6	4 * 7	4 * 6	3 * 5
	Rainfall ...	5 * 7	5 * 4	1 * 4	3 * 1	3 * 4	5 * 4	4 * 5	4 * 6	4 * 5	4 * 7	5 * 8	5 * 5
	Sunshine ...	5 * 2	5 * 3	3 * 5	2 * 6	2 * 5	3 * 2	5 * 5	5 * 2	4 * 4	5 * 2	5 * 2	4 * 5
WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FORTY-EIGHTH WEEK—November 27th to December 3rd, 1910.																			
DISTRICTS. (See Frontispiece map.)		Temperature.								Rainfall.				Sunshine.					
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH		45	26	40.2	32.8	36.6	- 3.7	Day-deg. 0	Day-deg. - 12	Day-deg. 38	Day-deg. + 13	4	- 2	Inches. 0.29	Inches. - 1.12	11	+ 5	% 23	% +10
Eastern																			
1. SCOTLAND, EAST		45	19	40.6	33.0	36.8	- 2.5	0	- 11	36	+ 5	5	+ 2	0.57	- 0.12	9	0	18	0
2. ENGLAND, N.E.		45	25	40.8	33.5	37.2	- 3.0	0	- 14	34	+ 13	5	0	1.58	+ 1.09	7	- 4	13	- 7
3. ENGLAND, EAST		52	26	43.6	35.0	39.3	- 1.4	4	- 11	26	+ 1	6	+ 3	2.34	+ 1.84	8	- 8	6	- 13
4. MIDLAND COUNTIES		53	25	40.7	32.5	36.6	- 3.8	0	- 15	38	+ 12	5	+ 1	2.69	+ 2.16	5	- 5	8	- 10
5. ENGLAND, S.E.		53	23	44.5	35.5	40.0	- 2.4	7	- 14	25	+ 7	6	+ 3	1.99	+ 1.32	8	- 8	5	- 15
Western																			
6. SCOTLAND, WEST		48	20	41.3	32.2	36.8	- 5.4	0	- 17	36	+ 19	3	- 1	0.27	- 0.98	6	- 3	11	- 5
7. ENGLAND, N.W.		46	20	40.9	33.6	37.3	- 5.0	0	- 18	33	+ 18	5	+ 1	0.76	- 0.10	7	- 2	14	- 3
8. ENGLAND, S.W.		54	25	43.8	35.9	39.9	- 3.8	5	- 20	23	+ 9	5	+ 1	1.59	+ 0.59	6	- 6	10	- 11
9. IRELAND, NORTH		46	19	42.8	33.4	38.1	- 4.2	2	- 16	31	+ 15	3	- 2	0.16	- 0.71	15	+ 4	27	+ 8
10. IRELAND, SOUTH		49	23	43.0	33.3	38.2	- 5.6	3	- 23	32	+ 19	5	0	0.38	- 0.54	13	0	23	0
11. ENGLISH CHANNEL		56	38	48.8	42.3	45.5	- 1.8	25	- 15	0	- 2	6	+ 1	1.87	+ 0.97	8	- 6	13	- 10
THE SEASON (Autumn).—Aggregates, &c., for the Period of 13 Weeks, September 4th to December 3rd, 1910.																			
0. SCOTLAND, NORTH		68	21	*	*	*	*	475	- 49	194 §	+ 77	56	- 10	9.72 §	- 5.88	233§	+ 26	25	+ 3
Eastern																			
1. SCOTLAND, EAST		72	10	*	*	*	*	487	- 66	220	+ 68	46	- 7	7.41	- 1.15	263	+ 12	28	+ 1
2. ENGLAND, N.E.		74	22	*	*	*	*	625	- 31	181	+ 96	42	- 8	6.69	- 0.60	273	- 5	29	- 1
3. ENGLAND, EAST		75	19	*	*	*	*	741	- 7	147	+ 47	44	- 3	7.78	+ 0.91	264	- 47	28	- 5
4. MIDLAND COUNTIES		76	19	*	*	*	*	626	- 58	186	+ 68	42	- 5	8.85	+ 1.49	229	- 42	24	- 4
5. ENGLAND, S.E.		74	18	*	*	*	*	780	- 68	143	+ 76	42	- 4	9.16	+ 0.67	302	- 11	32	- 1
Western																			
6. SCOTLAND, WEST		69	14	*	*	*	*	566	- 65	180	+ 98	41	- 14	9.26	- 5.25	257	+ 5	27	+ 1
7. ENGLAND, N.W.		73	16	*	*	*	*	626	- 82	142	+ 80	45	- 7	8.69	- 1.87	271	+ 14	29	+ 1
8. ENGLAND, S.W.		71	18	*	*	*	*	750	- 71	91	+ 40	49	- 5	12.25	+ 0.32	301	- 1	32	0
9. IRELAND, NORTH		69	19	*	*	*	*	647	- 15	118	+ 47	46	- 14	6.81	- 4.20	270	+ 15	29	+ 2
10. IRELAND, SOUTH		70	20	*	*	*	*	728	- 47	98	+ 33	55	+ 1	8.48	- 2.42	262	- 35	27	- 4
11. ENGLISH CHANNEL		74	32	*	*	*	*	1002	- 75	3	- 1	58	- 1	15.59	+ 5.11	338	- 31	35	- 3
THE YEAR.—Aggregates, &c., for the Period of 48 Weeks, January 2nd to December 3rd, 1910.																			
0. SCOTLAND, NORTH		82	2	*	*	*	*	2081	+ 3	789 §	+ 115	219	- 7	44.62 §	- 2.39	1167§	+ 75	28	+ 2
Eastern																			
1. SCOTLAND, EAST		80	-10	*	*	*	*	2169	- 154	856	+ 84	190	+ 4	30.13	+ 2.00	1291	- 12	31	0
2. ENGLAND, N.E.		81	6	*	*	*	*	2653	+ 47	635	+ 75	176	+ 6	23.45	+ 0.70	1326	- 87	32	- 2
3. ENGLAND, EAST		83	17	*	*	*	*	3042	+ 34	540	- 81	179	+ 16	24.90	+ 3.12	1442	- 96	34	- 2
4. MIDLAND COUNTIES		83	10	*	*	*	*	2861	- 59	660	+ 9	177	+ 15	27.67	+ 3.55	1302	- 68	31	- 2
5. ENGLAND, S.E.		81	13	*	*	*	*	3141	- 126	437	- 11	176	+ 20	28.34	+ 3.74	1493	- 64	36	- 2
Western																			
6. SCOTLAND, WEST		81	0	*	*	*	*	2528	- 6	612	+ 105	193	- 2	42.44	- 0.92	1334	+ 1	32	0
7. ENGLAND, N.W.		81	7	*	*	*	*	2708	- 67	480	+ 32	199	+ 19	35.28	+ 3.51	1413	+ 59	34	+ 2
8. ENGLAND, S.W.		81	8	*	*	*	*	2974	- 139	333	- 19	194	+ 15	39.47	+ 4.89	1499	- 20	36	0
9. IRELAND, NORTH		79	7	*	*	*	*	2625	- 24	469	+ 53	214	+ 2	36.10	+ 1.23	1265	+ 19	30	+ 1
10. IRELAND, SOUTH		79	18	*	*	*	*	2999	- 62	351	+ 32	226	+ 37	38.88	+ 2.80	1331	- 74	32	- 2
11. ENGLISH CHANNEL		79	28	*	*	*	*	3527	- 136	57	- 56	200	+ 8	38.06	+ 8.90	1687	- 158	41	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 § The corresponding value for Report No. 47 slightly altered owing to the receipt of further information.
 The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.					
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.												
																			Above 42°	Below 42°
						Day	Day													
0. SCOTLAND, N.	a, Islands.	p Baltasound	S 45	2nd	32	27th	46.6	35.2	37.9	—	0	29	7	0.74	—	7.8	—	13	—	Baltasound.
		a Sunburgh Head	45	2nd	30	27th	43.6	33.3	38.5	— 3.4	4	32	3	0.43	— 0.54	9.1	+ 2.8	19	+ 6	Deerness.
		a Stornoway	43	3rd	33	28th	40.6	34.3	37.5	— 4.3	0	32	4	0.27	— 1.08	21.8	+13.6	45	+28	Stornoway.
		a Castlebay, Barra Isd.	46	29th	37	28, 29, 30th	43.4	37.7	40.6	— 3.1	4	16	1	0.01	—	33.4	—	67	—	Castlebay.
		a Wick	43	3rd	30	1st	41.7	34.3	38.0	— 3.0	0	28	7	0.60	— 0.05	—	—	—	—	Strathpeffer.
	b, Main-land.	p Strathpeffer	41	29th, 3rd	30	1st	39.0	33.2	36.1	— 3.7	0	41	3	0.15	— 0.54	6.6	— 0.7	14	—	Strathpeffer.
		p Glencarron	40	3rd	26	1st	37.8	31.3	34.6	— 5.3	0	52	4	0.34	— 1.83	—	—	—	—	Fort Augustus.
		p Fort Augustus	42	3rd	28	30th	40.2	31.3	35.8	— 4.8	0	43	4	0.22	— 0.85	7.2	+ 4.9	14	+10	Fort Augustus.
		p Fort William	44	3rd	27	30th	38.8	32.1	35.5	— 6.5	0	46	0	0.00	— 2.00	—	—	—	—	Fort William.
		p Gordon Castle	42	3rd	29	1st, 3rd	39.9	32.1	36.0	— 4.9	0	42	5	1.26	+ 0.71	2.7	—	6	—	Gordon Castle.
1. SCOTLAND, E. . .	a, Islands.	a Nairn	41	29th	30	1st, 2nd	39.3	32.9	36.1	— 3.9	0	41	6	0.76	+ 0.29	1.6	—	3	—	Nairn.
		a Aberdeen	44	3rd	34	29th, 1st	41.9	36.1	39.0	— 2.0	0	21	6	0.86	+ 0.19	11.1	+ 0.1	22	0	Aberdeen.
		a Balmoral	44	30th	28	1st	41.9	36.9	36.4	— 0.8	0	39	3	0.20	— 0.62	9.9	—	20	—	Crathes S.
		p Crieff	44	29th	30	30th, 1st	41.1	33.4	37.3	— 2.8	0	33	2	0.44	— 0.58	12.4	—	24	—	Balruidery.
		a Leith	45	27th	32	30th	42.9	36.1	39.5	— 2.6	3	21	4	0.16	— 0.29	—	—	—	—	Edinburgh.
	b, Main-land.	a West Linton	42	27th	19	30th	38.0	28.5	33.3	— 5.7	0	61	5	0.21	—	10.8	—	21	—	West Linton.
		p Marchmont	41	1, 2, 3rd	31	30th	40.1	33.6	36.9	— 2.7	0	36	5	0.63	— 0.02	10.0	+ 0.5	20	+ 1	Marchmont.
		a Alnwick Castle	44	1st	29	27th	41.7	33.8	37.8	— 3.4	0	29	5	1.01	+ 0.30	7.1	—	14	—	Cockle Park.
		a Shields	45	1st	29	30th	42.9	33.3	38.1	— 4.0	3	31	5	0.75	+ 0.29	5.1	— 1.2	10	—	Newcastle.
		p Durham	42	1st, 2nd	28	30th	39.7	33.4	36.6	— 3.5	0	38	5	1.23	+ 0.74	8.8	— 1.8	17	—	Durham.
2. ENGLAND, N.E.	a, North.	p Rounton	43	1st, 2nd	25	30th	40.2	32.1	36.2	— 4.2	0	41	6	0.67	+ 0.25	—	—	—	—	Rounton.
		p Scarborough	44	1st, 2nd	29	30th	41.1	33.7	37.5	— 4.0	0	32	5	1.05	+ 0.60	6.2	— 1.0	12	—	Scarborough.
		p York	44	1st, 2nd	29	30th	41.8	33.7	37.5	— 4.0	0	32	5	1.05	+ 0.60	6.2	— 1.0	12	—	York.
		a Spurn Head	45	1st	28	30th	42.7	35.6	39.2	— 2.7	2	23	6	2.14	+ 1.73	—	—	—	—	Spurn Head.
		a Lincoln	41	27th, 28th	28	30th	37.6	32.9	35.3	— 5.7	0	47	6	2.57	+ 2.15	7.0	—	13	—	Lincoln.
	b, South.	a Fulbeck	42	3rd	30	30th, 1st	40.0	32.9	36.5	— 3.7	0	39	6	3.71	+ 3.28	4.3	—	8	—	Fulbeck.
		p Cromer	44	27, 30, 3rd	30	28th, 29th	44.3	35.4	39.9	— 0.7	6	25	7	1.84	—	5.2	—	10	—	Cromer.
		p Hillington	47	1st, 2nd	27	29th	41.6	34.2	37.9	— 2.6	0	29	7	2.09	+ 1.54	4.1	— 6.7	7	—	Hillington.
		a Yarmouth	50	27th	32	29th, 30th	45.3	37.1	41.2	— 0.9	9	19	5	2.05	+ 1.55	5.5	—	10	—	Yarmouth.
		a Norwich	49	27th	29	30th	43.2	34.8	39.0	— 2.5	3	26	7	2.74	—	—	—	—	—	Norwich.
3. ENGLAND, E.	a, North.	p Goldstone	50	28th	30	29th	44.2	35.9	40.1	— 2.1	6	23	6	2.74	—	—	—	—	—	Goldstone.
		p Cambridge	49	28th	28	29th	42.9	34.6	38.8	— 2.6	3	27	5	2.53	+ 2.13	0.8	— 10.5	1	—	Cambridge.
		a Felstowe	48	27th	30	29th	43.7	36.0	39.9	— 2.0	5	23	6	3.59	—	3.5	—	6	—	Felstowe.
		a Clacton-on-Sea	48	27th	30	29th, 30th	44.4	35.4	39.9	— 2.7	7	25	6	3.12	—	3.0	—	5	—	Clacton.
		a Rothamsted	51	27th	26	29th	42.9	32.5	37.7	— 3.5	3	34	7	2.77	+ 2.17	2.7	— 8.8	5	—	Rothamsted.
	b, South.	a Shoeburyne	52	27th	32	29th	43.9	36.3	40.1	— 3.0	3	31	7	2.57	+ 2.18	1.9	—	3	—	Shoeburyne.
		p Tottenham	52	28th	29	29th	43.2	35.1	39.2	— 3.3	3	25	5	2.20	—	1.2	—	2	—	Tottenham.
		a Harrogate	41	1st	29	30th	33.7	32.6	35.7	— 4.7	0	44	5	1.80	+ 1.20	8.9	—	17	—	Harrogate.
		a Bawtry	40	2nd	27	30th	40.1	30.9	35.5	— 5.1	0	46	5	2.59	+ 2.15	2.4	— 6.4	4	—	Bawtry.
		p Buxton	38	29, 30, 1, 2, 3	24	30th	37.1	29.5	33.3	— 5.7	0	61	6	1.92	+ 0.32	4.4	—	8	—	Buxton.
4. MIDLAND COUNTIES.	a, East.	a Nottingham	42	1st, 2nd	25	30th	40.7	33.0	36.9	— 4.3	0	36	6	3.48	+ 3.03	2.1	—	4	—	Nottingham.
		p Birmingham, Edgban	41	2nd	30	27th	39.7	33.5	36.6	— 4.4	0	38	6	3.20	+ 2.66	1.4	—	3	—	Birmingham.
		a Raunds	42	27, 1, 3rd	26	30th	40.7	32.6	36.7	— 4.2	0	37	5	4.00	—	—	—	—	—	Raunds.
		a Oxford	48	27th	28	27th	42.3	33.6	38.0	— 3.7	1	30	6	2.42	+ 1.90	4.3	— 6.7	8	—	Oxford.
		a Cheadle	48	29th	29	30th	39.5	31.4	35.5	— 4.7	0	46	6	2.92	+ 2.27	7.8	—	14	—	Cheadle.
	b, West.	p Shrewsbury	43	3rd	27	29th, 30th	41.0	32.2	36.3	— 5.3	0	40	5	2.32	+ 1.77	—	—	—	—	Shrewsbury.
		a Hereford	43	28th	29	27th	40.1	32.4	36.3	— 5.3	0	42	6	2.13	+ 1.49	3.9	— 7.1	7	—	Hereford.
		a Cirencester	43	28th	25	29th	40.5	31.5	36.0	— 4.4	0	40	5	2.13	+ 1.49	3.9	— 7.1	7	—	Cirencester.
		a Bath	53	27th	26	29th	43.9	33.4	38.7	— 3.8	5	32	5	1.94	+ 1.25	6.0	—	11	—	Bath.
		p Kew	50	28th	26	29th	43.8	35.1	39.5	— 2.9	5	26	5	2.16	+ 1.67	0.2	— 9.4	0	—	Kew.
5. ENGLAND, S.E. . .	a, Islands.	a Marlborough	52	27th	23	29th	42.0	31.7	36.9	— 3.9	0	36	5	1.93	+ 1.23	2.0	— 7.0	4	—	Marlborough.
		a Margate	53	27th	32	30th	45.6	36.6	41.1	— 2.4	10	21	6	2.12	+ 1.62	1.3	— 10.8	2	—	Margate.
		a Wisley, Surrey	53	27th	28	27th	43.8	34.9	39.4	— 3.5	5	26	5	1.61	—	1.7	—	3	—	Wisley.
		a Swartrick	52	27th	23	29th	42.6	32.9	37.8	— 3.7	2	33	5	1.86	+ 1.14	3.4	—	6	—	Swartrick.
		a Tunbridge Wells	52	27th	28	27th	42.9	33.9	38.4	— 3.7	3	29	6	2.09	+ 1.35	1.3	— 11.0	3	—	Tunbridge Wells.
	b, Main-land.	p Hastings	53	27th	27	29th	47.1	35.7	41.4	— 2.9	14	26	6	2.27	+ 1.72	1.2	—	2	—	Hastings.
		p Southampton	53	28th	34	29th	45.4	38.6	42.0	— 2.0	10	10	6	1.53	+ 0.84	2.9	— 11.5	5	—	Southampton.
		a Ventnor	53	28th	36	30th	45.5	37.1	41.3	— 2.4	10	20	4	1.60	+ 0.90	3.8	— 8.6	7	—	Ventnor.
		p Eastbourne	53	27th	36	30th	46.1	38.9	42.5	— 3.9	17	9	7	2.79	+ 1.96	5.6	— 7.4	10	—	Eastbourne.
		a Westminister	52	27th	30	27, 29, 30th	45.0	35.3	40.2	— 3.4	8	26	5	2.29	+ 1.79	0.0	— 4.3	0	—	Westminister.
6. {	a, SCOTLAND, W. . .	a Greenwich	52	27th	29	29th	43.6	35.0	39.3	— 3.3	4	26	6	2.60	+ 2.10	0.0	— 3.0	0	—	Greenwich.
		a Poltalloch	44	27th, 3rd	25	30th	41.4	31.6	36.5	— 5.6	0	39	2	0.21	— 1.05	—	—	—	—	Poltalloch.
		p Glasgow	42	27, 28, 29th	26	30th	40.4	33.8	37.1	— 4.6										

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	37.9	—	Harrogate	4	20	38.0	41.1	6. Dumfries	4	20	35.9	41.9
1. Aberdeen	—	—	—	42.4	Huddersfield	3	22	36.0	43.2	Douglas	3	26	—	—
Crathes	5	23	37.5	41.5	Buxton	—	—	35.7	44.2	Aspatia	4	14	36.9	44.2
Balmoral	6	25	—	—	Sheffield	—	—	37.2	44.3	Newton Rigg	5	14	39.3	43.2
West Linton	6	14	—	—	Nottingham	2	26	36.1	41.2	Burnley	4	15	35.8	43.1
Marchmont	2	28	35.0	—	Birmingham	4	23	38.2	45.4	Southport	4	15	36.0	42.1
Cockle Park	5	22	35.0	39.9	Oxford	2	25	—	—	Manchester City	2	27	38.7	44.2
Durham	2	23	—	—	Hereford	3	24	—	—	Bettws-y-Coed	1	26	39.3	44.7
York	—	—	39.5	44.7	Cirencester	3	22	38.9	43.9	Llangammarch Wells	6	15	39.6	46.4
Hull	2	22	37.7	45.0	Bath	—	—	—	—	Cardiff	2	23	39.1	45.2
Lincoln	—	—	37.1	43.6	Margate	1	28	41.6	45.3	Clifton	7	23	—	—
Raunceby	3	21	37.8	45.1	Greenwich	3	24	—	—	Plymouth	1	28	44.5	—
Norwich	4	21	—	—	Westminster	3	22	—	—	9. Armagh	4	20	41.0	46.0
Yarmouth	—	—	38.7	44.6	Kew	2	17	38.5	45.0	Markree	5	14	41.5	47.6
Lowestoft	2	24	40.6	45.1	Canterbury	3	25	39.7	44.8	10. Dublin, Trin. Coll. ..	4	23	41.2	45.6
Cambridge	2	20	38.5	44.3	Tunbridge Wells	2	18	39.6	—	11. Guernsey, Brooklyn	1	30	46.4	49.7
Clacton-on-Sea	2	25	42.0	47.1	Wiseley	3	20	—	—					
Southend	2	24	41.0	—	Worthing	1	23	41.3	46.8					
Tottenham	2	22	—	45.7	Portsmouth	1	24	42.7	47.0					
					Glasgow	3	20	—	—					
					Rothersey	—	—	—	43.4					
					Colmonell	3	19	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	44	44	44.0	SCOTLAND, W.	Lamlash	48	48	48.0
	Kirkwall	44	40	41.4		Ballantrae	45	43	44.2
	Wick	46	45	45.7	ENGLAND, N.W.	Port Erin	50	46	48.1
SCOTLAND, E.	Cromarty	42	40	40.7		Newquay	52	49	50.3
	Pennan Bay	43	40	41.7	ENGLAND, S.W.	Scilly	51	48	49.3
	Aberdeen, Cove Pay ..	45	45	45.0		Plymouth	53	52	52.4
ENGLAND, N.E.	Burnmouth, Berwick ..	43	42	42.1		Salcombe	52	49	50.2
	Scarborough	44	41	43.1	IRELAND, N.W.	Sheephaven	46	46	46.0
ENGLAND, E.	Shipwash Lightship ..	47	44	44.8		Teelin	47	43	45.2
ENGLAND, S.E.	Margate	44	42	42.9	IRELAND, S.W.	Cleggan	48	44	46.0
	Eastbourne	46	44	45.0	IRELAND, E.	Seafeld	49	43	46.2

* Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\rightarrow$ = a fresh to strong breeze; $\rightarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; — = detached cloud; — = overcast; — = misty (hazy); — = foggy; — = squally; — = rain; — = hail; — = snow; — = lightning; — = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

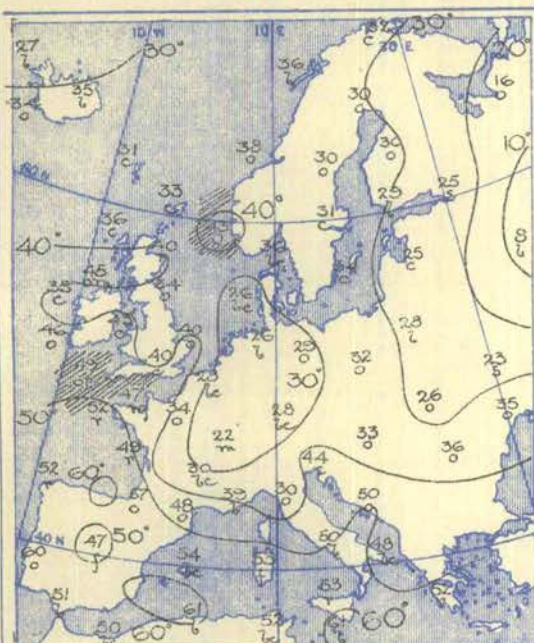
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1905.

Sunday, 27th November, 1910.

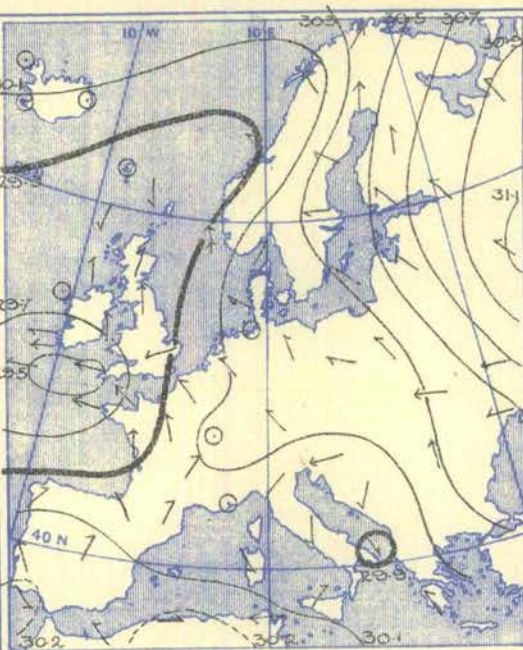
Temperature and Weather.

7 a.m.

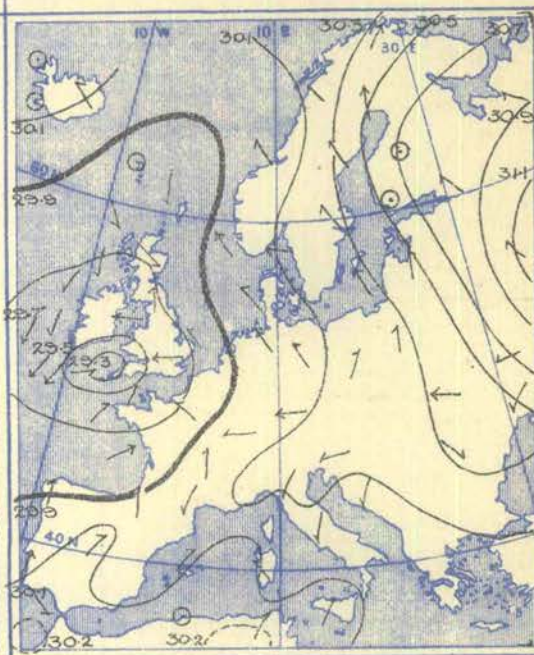


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the south-west of these Islands and the west of France, as well as at Aberdeen and Corunna, and much cloud prevailing over western and northern Europe generally. Snow falling at St. Petersburg, Kieff, and Vienna. Fair to fine over the major portion of the Mediterranean, but rainy at Palermo and Athens. Heavy rain later over the southern and south-eastern districts of England, and also in France. An inch at Bath, and 1.4 in. at Limoges. Snow or rain experienced in many other parts of the Continent.

Temperature fallen in most regions, risen in England. Morning readings ranging from about 10° in central Russia and below 32° over a large area on the Continent to about 50° in the west of France and on various shores of the Mediterranean, to 61° at Algiers and Malta, and to 60° at Bilbao. Rising to 50° or rather above in several parts of England during day, to above 60° in the south-west of France, and to about 70° on the coast of Algeria. Maxima about 32° in many parts of central Europe and the east of France.

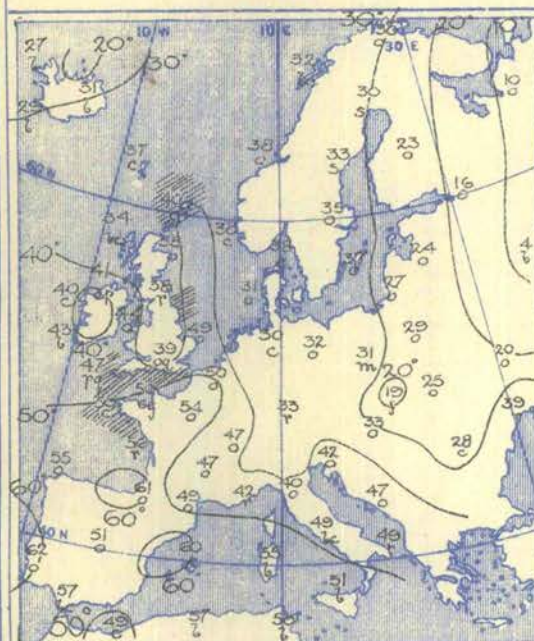
Wind in morning cyclonic over these Islands and their vicinity; light to moderate generally, but South-Easterly current fresh to strong on our south-west coast. A Southerly gale blowing at Skudesnes. An anticyclonic current between South-East and South-West prevailing over the eastern half of the Continent. Increasing in force over the greater portion of England later, and also in the Spanish Peninsula. A strong gale from North-West reported at Alicante at 6 p.m.

Barometer in morning extremely high in Russia, the reading at Moscow being 31.13 ins. Gradient within the anticyclonic system rather steep over a wide area. A depression with readings below 29.5 ins. off the south-west of this country, and a large, shallow disturbance over Italy and the Adriatic. Pressure increasing to 31.18 ins. by evening at Moscow, but little change taking place in the general distribution; South-Western disturbance covering Cornwall by evening and barometer much lower than at 7 a.m.

Monday, 28th November, 1910.

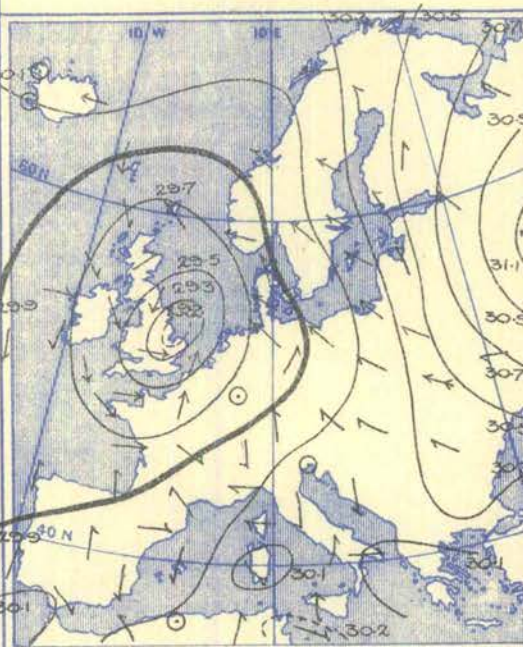
Temperature and Weather.

7 a.m.

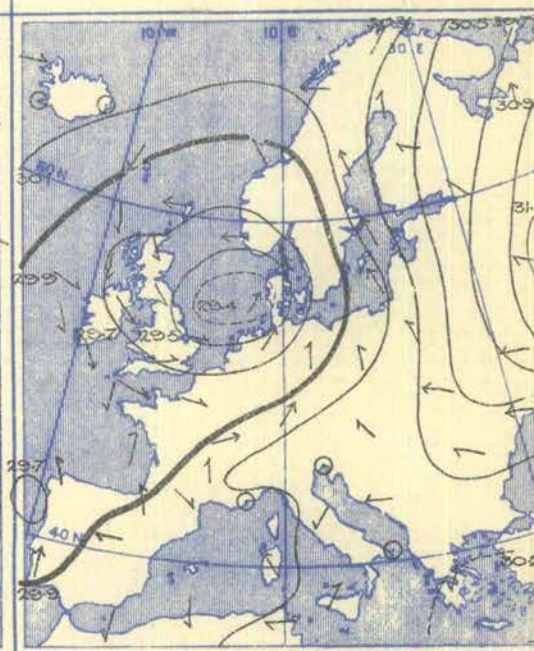


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in several parts of these Islands and the adjacent regions, as well as at Munich, Nice, and Brindisi, and snow falling at some Scandinavian stations. Much cloud prevailing over our area generally. Some rain later in most parts of the United Kingdom and in various localities on the Continent, but not in large quantities.

Temperature changed irregularly; risen quickly in France. Morning readings ranging from 66° at Bilbao and nearly 60° on some shores in the extreme south of our area to below 30° very generally in the east and north of Europe, and to 10° or below in central Russia. Frost continuing all day in Russia, and maxima low over the central countries. Thermometer rising to 72° at Tunis, 69° at Malta, and to 67° at Palermo, but only touching 50° at Rome. Frost at night over many parts of England and Ireland.

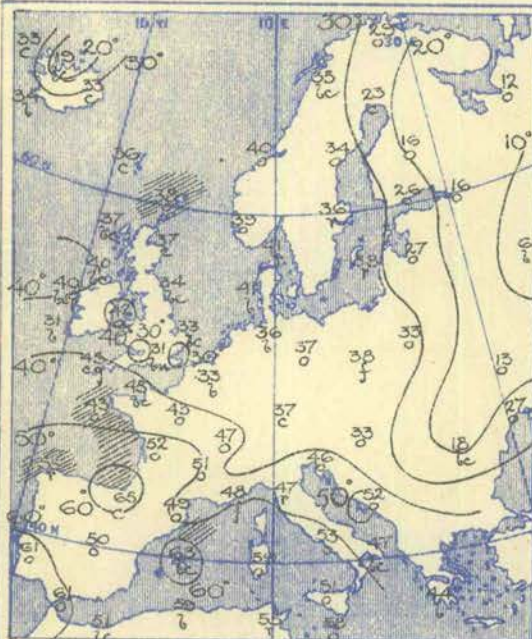
Wind in morning showing a very extensive cyclonic circulation over all the western and north-western countries, the South-Easterly current blowing strongly in Scandinavia, and that from between North and North-West being strong to high on some parts of our own coasts. Light, variable winds general over the Mediterranean region. Increasing to a gale from the South-Westward later on the coast of Holland, and to a gale from the South-Eastward over the Skager Rack. Increasing to a strong breeze from South on the coast of Portugal.

Barometer in morning as high as 31.16 ins. at Moscow and relatively high over the whole of Russia and its neighbourhood. Below 29.2 ins. in a depression centred off the east coast of England. Gradient rather steep over a considerable portion of our area. Anticyclonic system maintaining its position with little loss of energy during day. North Sea depression moving towards Denmark, and gradient becoming steeper over the Baltic region. Another depression appearing to the westward of the Spanish Peninsula and moving northward at night.

Tuesday, 29th November, 1910.

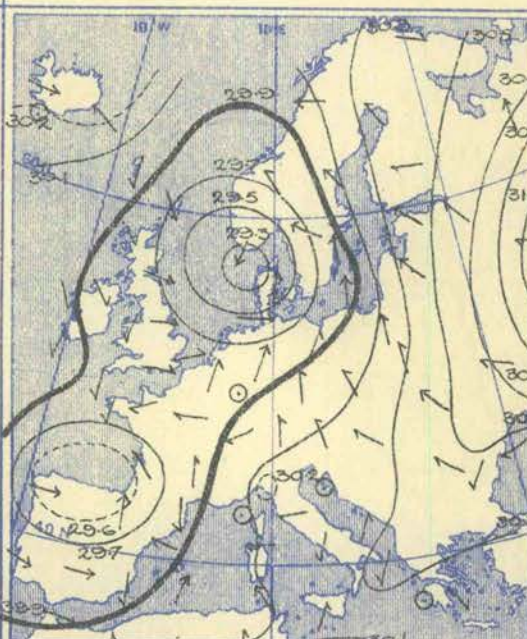
Temperature and Weather.

7 a.m.

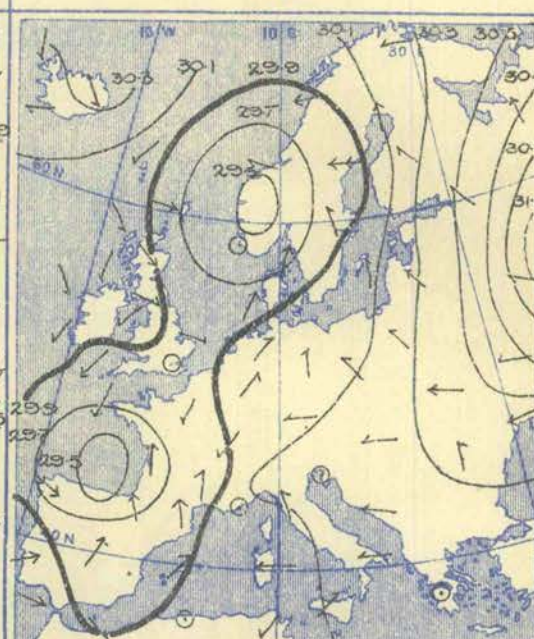


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine over most of the United Kingdom and a large area in Russia and over the Mediterranean; rainy in some parts of France and northern Spain, as well as in northern Italy, a few places in central Europe, and over the Baltic. About an inch of rain later in the Channel Isles and the north of France, and also at Cette, about 0.5 in. In the south-east of England, and various amounts over a considerable area on the Continent.

Temperature fallen over these islands and the north of France, risen in most other regions. Morning readings ranging from 63° at Palermo and about 60° at several other stations in the far south to below 40° over the main portion of our area, to below 20° in most of Russia, and to 8° at Moscow. Maxima during day below 40° over a large portion of England and the central countries of the Continent, and below 32° in Russia. Thermometer touching 75° at Tunis, 70° at Algiers, 68° at San Fernando, and 66° at Biarritz. Sharp frost at night in central Ireland.

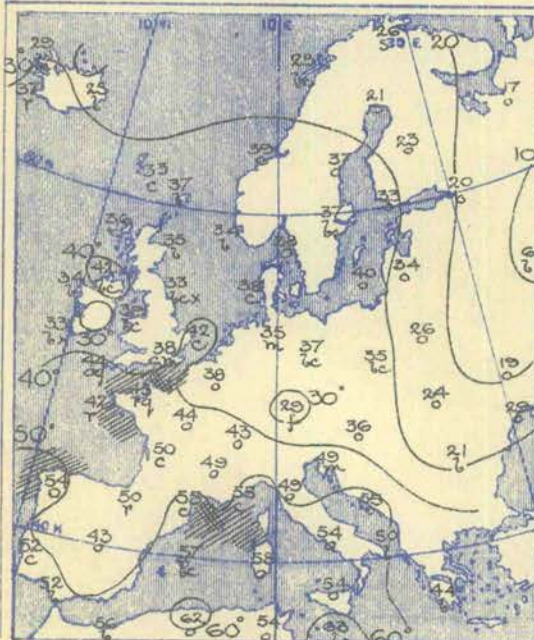
Wind in morning anticyclonic throughout Russia and its vicinity, generally cyclonic elsewhere, two well-marked movements being shown. Southerly to South-Easterly current strong to a gale over Denmark and Scandinavia. Easterly current strong in Brittany, and that from the Westward strong over the west of Spain and in Portugal. Latter increasing to a gale by evening and North-Easterly wind becoming fresh to strong on the English Channel. Little change elsewhere.

Barometer in morning as high as 31.08 ins. at Moscow; below 29.6 ins. in a depression over the Bay of Biscay, and below 29.3 ins. in another over the south-west of Norway. Pressure above 30.2 ins. in Iceland, and relatively high at the Azores. Norwegian depression becoming less deep during day and moving slowly Northward; that over the Bay maintaining the same intensity and also moving slightly Northward. Scarcely any modification taking place within the anticyclonic region over Russia.

Wednesday, 30th November, 1910.

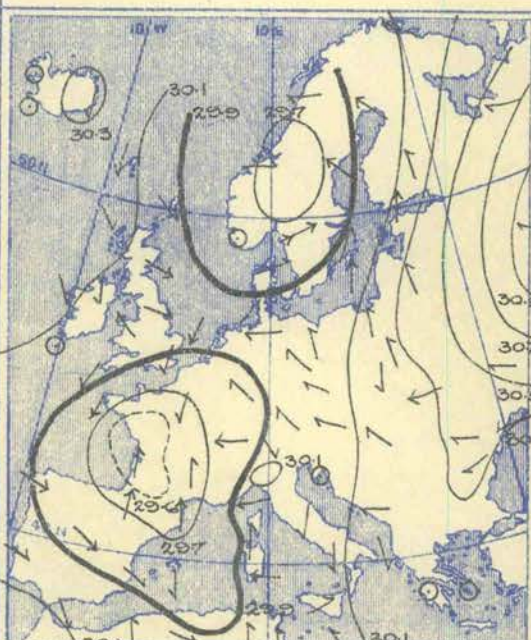
Temperature and Weather.

7 a.m.

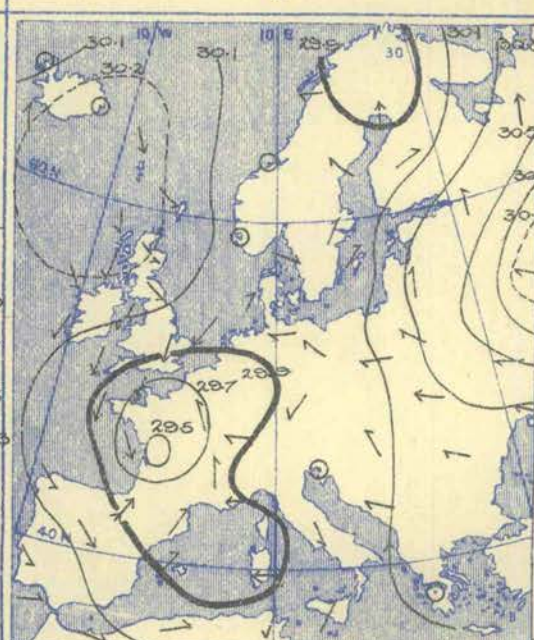


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the south-east of England and the nearer portion of the Continent, as well as at Biarritz, Prague, and in some parts of Italy. Snow falling at a few stations in the north of Europe, and much cloud prevailing except in Scotland, Ireland, and at various places in the south of our area. Heavy rain later at many places over the south and south-east of England and over a large area in France; about 1.4 in. at Cherbourg, and also at Marseilles and Cape Sicé. More or less precipitation occurring in various parts of the Continent, as well as at Algiers.

Temperature changed irregularly; fallen in southern France and in Spain. Readings in morning ranging from 63° at Malta and above 55° at many other southern stations to below 30° in central Ireland and at Munich, and to below 20° over a large portion of Russia. Lowest reading, 6° at Moscow. Maximum during day no higher than 31° at Birr, but above 40° over the United Kingdom generally. Thermometer rising to 75° at Tunis, 72° at Nemours, and 73° at Malta. Remaining below 40° in the central countries, and below 32° in Russia.

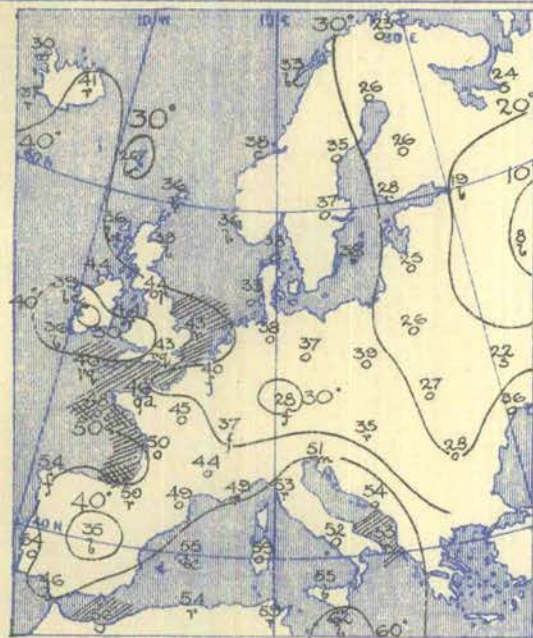
Wind in morning showing two separate cyclonic circulations, one over northern Europe, and the other mainly over France and its neighbourhood. North-Easterly current fresh to high over England and the north of France, and North-Westerly current strong at Corunna. A Westerly gale reported at Karlstad, but little force in the north as a whole. Increasing to a gale during day on the Straits of Dover and some parts of the Channel, and to a strong gale from South-West at Biarritz.

Barometer in morning above 30.9 ins. in central Russia, about 29.6 ins. in a depression centred over Norway, and about 29.5 ins. in another having its minimum near Rochefort. Above 30.2 ins. in Iceland. Very slight change occurring later in the general distribution: Norwegian depression travelling northward, and that over France expanding somewhat in that direction. A steady increase of pressure taking place over Scotland, but a slight decrease in Iceland.

Thursday, 1st December, 1910.

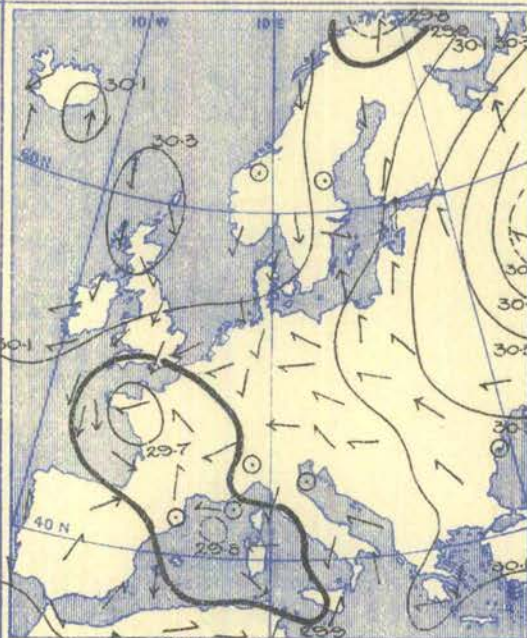
Temperature and Weather.

7 a.m.

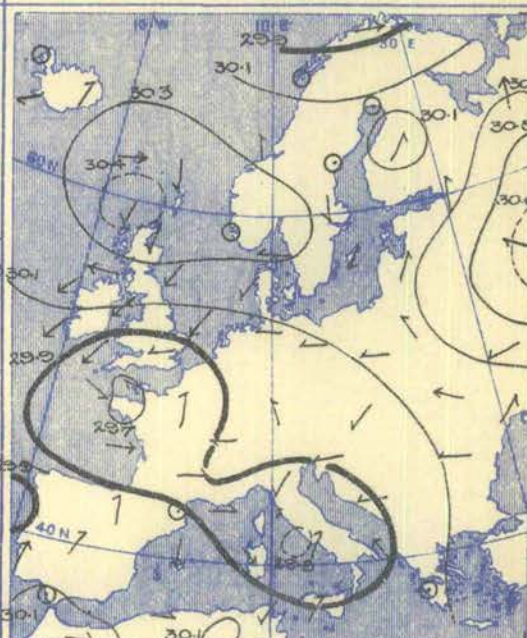


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the greater part of England and at some adjacent stations on the Continent, as well as at various places in the Spanish Peninsula and Italy. Rain or snow prevailing in places over a large area in northern and eastern Europe. More than an inch of rain later in several parts of England. Heavy amounts in Italy—1.4 in. at Leghorn—and moderate quantities in various parts of France and the Low Countries.

Temperature fallen in many regions, risen over the United Kingdom. Morning readings ranging from about 40° over a large part of this country, decreasing to 20° or below over the greater part of Russia, and increasing to between 55° and 60° at several stations in the far south. Maxima during day below 45° in most parts of these Islands and the central countries of the Continent, and below 32° in Russia and Poland. Thermometer rising to above 60° over much of the Mediterranean region, and to 72° at Malta.

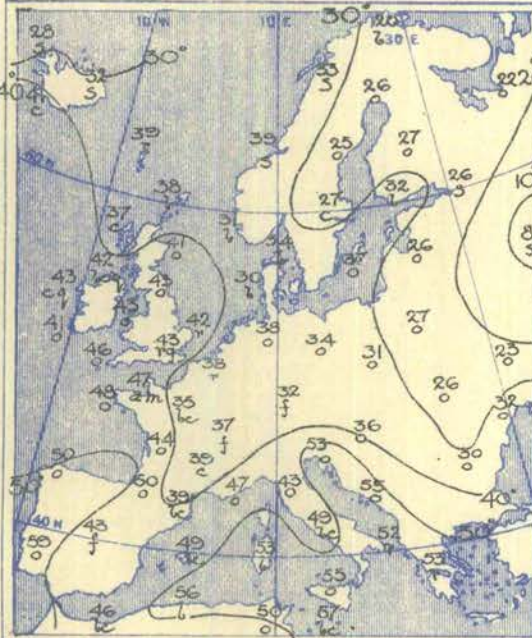
Wind in morning showing a well-marked cyclonic circulation over England and the nearer countries of the Continent, the North-Easterly current being strong on most parts of the coast. Cyclonic over Russia and also over Scotland, and light to moderate in force. Increasing to a high wind from the North-Eastward by evening both on our north-west and north-east coasts, but little change over our area generally.

Barometer in morning above 30.8 ins. in an anticyclonic system over Russia; below 29.8 ins. in a depression centred over the north of France and also in another in the extreme north of Scandinavia, and relatively low in a small disturbance over Iceland. Above 30.3 ins. in a high pressure system over, and to the northward of Scotland. No change in the general condition during day; Scottish high pressure expanding eastward to Scandinavia, and Russian anticyclone giving way somewhat.

Friday, 2nd December, 1910.

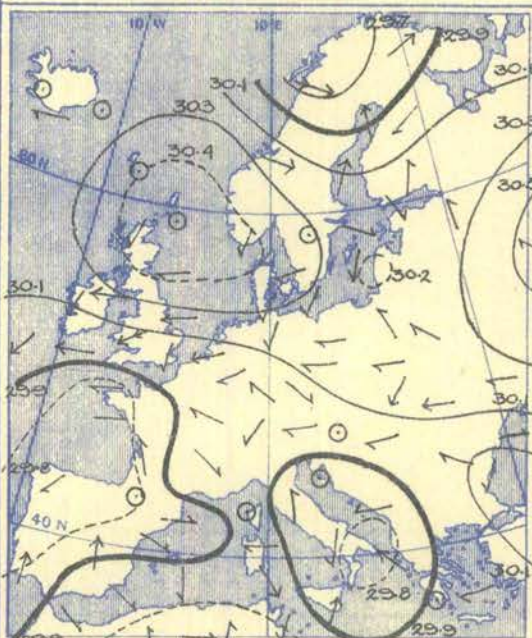
Temperature and Weather.

7 a.m.

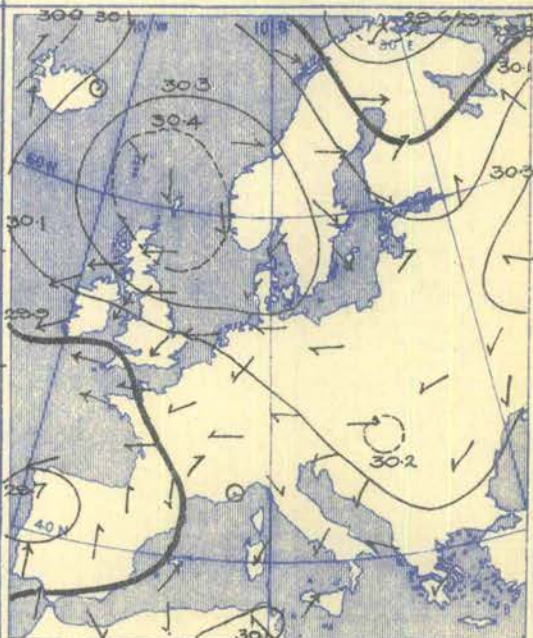


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in many parts of England, Ireland, and the nearer regions of the Continent, as well as at a few places in central Europe and Patras. Much cloud, with some snow, prevalent in the north and north-east of the Continent. Conditions very fine in Algeria and the south of Spain. Rain falling in many parts of the Continent and the United Kingdom later, but amounts not generally large.

Temperature fallen in most regions, risen somewhat at many of our own stations. Morning readings ranging from about 55° at a few places in the extreme south to slightly above 40° in England and Ireland, to below 32° over a very wide area over the eastern half of the Continent, and to 8° at Moscow. Frost continuing throughout in several parts of Scandinavia, Poland, and in Russia, and maxima not much above 32° in Germany and Austria. Thermometer rising to 69° at Malta and to 70° at Sfax, but remaining below 60° in the south generally.

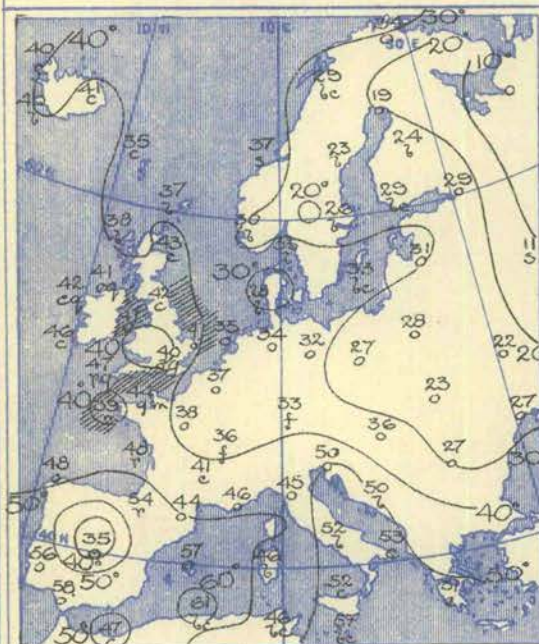
Wind in morning cyclonic except in Scotland and Russia. Westerly current strong to a gale in Norway, and that from East and North-East equally strong over England and Ireland. Generally light or moderate elsewhere, but Southerly current blowing a high wind at Madrid. Very little change later; increasing to a gale at Donaghadee and Cape Gris Nez.

Barometer in morning above 30.4 ins. in an anticyclone over the north of Scotland and the south-west of Norway, and also in another covering a considerable portion of Russia; below 29.8 ins. in a depression over southern Italy and the Adriatic, and in a larger system over the Bay of Biscay region. Below 29.7 ins. in the far north of Norway. Very little modification occurring later in day in the general distribution, but a fresh depression appearing in Portugal, and travelling north-eastward during the night. Pressure continuing to give way slowly in Russia.

Saturday, 3rd December, 1910.

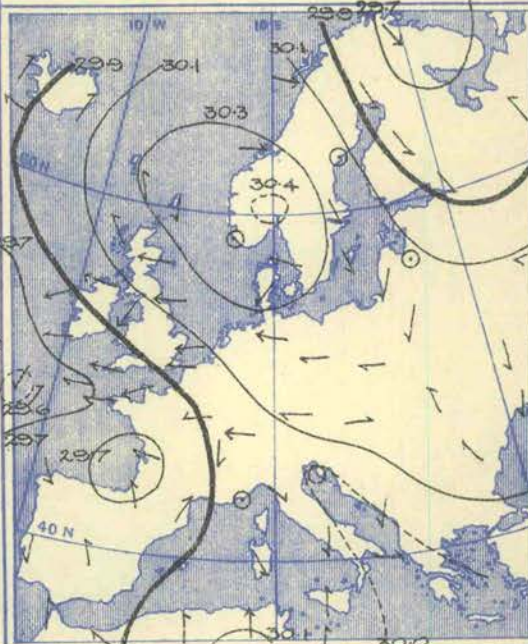
Temperature and Weather.

7 a.m.

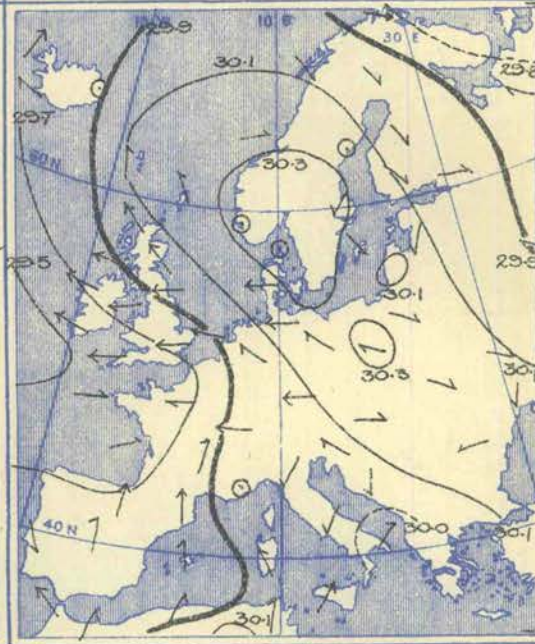


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fine and bright in Algeria, Scotland, and at a few places elsewhere, but very cloudy or quite overcast generally with rain in some parts of England and France and snow in a few scattered localities in northern and eastern Europe. Heavy or considerable falls of rain later over France and many parts of this country, and a little in a few other parts of our area.

Temperature changed irregularly, risen in France, fallen in England and Scandinavia. Mornings readings ranging from 61° at Algiers and 58° at San Fernando to below 40° over the major portion of our area, and to below 20° in central Russia and the north of Finland. Maxima during day between 40° and 45° in most parts of these Islands; below 40° in central Europe, and below 30° in Poland and the north and north-east of Europe. Thermometer rising to above 60° at some stations in the south of our area and touching 73° at Algiers.

Wind in morning mainly from the Eastward in these Islands, fresh to strong generally, and blowing a gale at Spurn Head and Donaghadee. A complete cyclonic circulation of light to moderate breezes shown over the Bay of Biscay, and light variable winds over the Mediterranean region. Continuing strong to high from the Eastward over these Islands during day, but little force over our area as a whole.

Barometer in morning above 30.3 ins. in an anticyclonic system over southern Scandinavia and the adjacent portion of the ocean; below 29.7 ins. in a depression over the Bay of Biscay, in another some distance to the westward of Scilly, and also in another in the extreme north of our area. Depression over Bay moving northward and apparently increasing in depth, but scarcely any change taking place in the general distribution of pressure.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Nov. 28th, 12.15 p.m. to 1.0 p.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind ..	276° 5' 90% 280°, 10	275° 5' 90% 280°, 13	273° 5' 100% 292°, 16	274° 70% 315°, 18				273° 70% 325°, 20	{ Overcast Stratus 130 m. above ground. Wind direction by wire. Humidity 95% at cloud level.
2	Dec. 3rd, 10.9 a.m. to 11.45 a.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind ..	275° 100% 80°, 11	274° 100% 70°, 11	272° 5' 100% ?°, 8.9	269° 5' 100% 110°, 8.9					

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.		1	2
No. of Kites ..	..	1	1
Area of Surface (sq. metres) ..	..	4	5.5
Length of Wire (metres) ..	..	1,500	1,500

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 49. FORTY-NINTH WEEK, SUNDAY, DECEMBER 4TH, TO SATURDAY, DECEMBER 10TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather. Over the Kingdom generally the conditions were dull and rainy, and often rough and squally. In many districts however the amount of precipitation was less heavy than of late. Along the north-east and east coasts of England there were some days without any measurable quantity.

Temperature was above the average, the excess being about 6° in England E. and S.E., 5° in the Midland Counties, between 3° and 4° in most other parts of Great Britain, and about 1½° in Ireland. The highest of the maxima occurred at most places early in the week, and ranged from 57° in the Midland Counties and England N.W. to 51° in Scotland E. and W. and Ireland N. The lowest of the minima, which were mostly recorded on Sunday, ranged from 29° in Scotland E. and England S.W. to 37° in England E. and S.E., and to 41° in the English Channel. The lowest grass readings were 25° at Balmoral and 26° at some other Scottish stations.

Mean Temperature of the Sea was higher than during the corresponding week of last year, except on the south-west coast of Ireland. The mean figures ranged from 51° at Plymouth, and 49° at Newquay and Salcombe, to 47° at Eastbourne, Port Erin and Lamlash, and 41° at Cromarty.

Rainfall varied a good deal, being more than the average in some districts less in others. In Scotland E. the deficit was nearly an inch while England S.W. had an excess of 1.3 inch. In the south-west of England some of the falls exceeded an inch in 24 hours; at Cullompton 1.18 in. fell on the 8th, at Falmouth 1.33 in. on the 5th and 1.18 in. on the 9th. At Sheepstor the total for the week was 6.67 ins., the heaviest falls being 1.64 in. on the 5th, 1.85 in. on the 8th, and 1.37 in. on the 9th.

Bright Sunshine was below the normal generally. The percentage of the possible duration ranged from 21 in the English Channel to less than 10 in nearly all other districts, only 1 in Scotland W. At Glasgow, Prestwich and Buxton the week was quite sunless.

Barometer and Wind.—In its main features the pressure distribution was of the same type throughout the period, the barometer being highest to the north-eastward or eastward of the United Kingdom, and lowest on the Atlantic, and over the western half of the British Isles. Early in the week a well-defined minimum arrived over the St. George's Channel and Irish Sea. Others followed, all very deep, 28.5 in. to 28.7 in., but filling up on reaching our western districts. The gradient was often steep or rather so, and the Southerly to Easterly winds blew with considerable force, reaching the velocity of a high wind or gale at times on the northern, western and southern coasts.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 388.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual
	Rainfall ...	Light	Moderate	Moderate	Moderate	Heavy	Heavy	Heavy	Moderate	Very heavy	Moderate	Heavy	Heavy
	Sunshine ...	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Very scanty	Scanty	Scanty	Very scanty	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 1 week from Dec. 4th, 1910.		Warmth ...	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	1 * 0	0 * 0	1 * 0	1 * 0	1 * 0	0 * 0	1 * 0
	Rainfall ...	0 * 1	0 * 0	0 * 0	0 * 0	1 * 0	1 * 0	1 * 0	0 * 0	1 * 0	0 * 0	1 * 0	1 * 0	1 * 0
	Sunshine ...	0 * 0	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 1	0 * 0

PAST SEASONS.

WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6
AUTUMN, 1910. Sept. 4th-Dec. 3rd. 13 weeks.	Warmth ...	2 * 5	2 * 5	5 * 8	5 * 6	3 * 7	4 * 8	3 * 5	3 * 8	3 * 7	4 * 4	3 * 6	3 * 6
	Rainfall ...	3 * 9	3 * 7	3 * 8	5 * 5	4 * 3	5 * 4	1 * 6	4 * 7	4 * 5	2 * 8	2 * 7	6 * 4
	Sunshine ...	7 * 1	6 * 3	6 * 5	2 * 6	2 * 6	5 * 6	4 * 3	5 * 2	5 * 6	5 * 3	2 * 4	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. **TEMPERATURE**—The *Daily Mean* is obtained from the maxima and minima by applying a suitable correction determined for each month. The *Average for the Week* is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). **ACCUMULATED TEMPERATURE** indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The *Averages* with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FORTY-NINTH WEEK—December 4th to December 10th, 1910.																		
DISTRICTS. (See Frontispiece, map.)		Temperature.								Rainfall.				Sunshine.				
		Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.
				Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)							
0. SCOTLAND, NORTH ..		53	30	46.7	39.0	43.0	+ 3.2	Day-deg. 20	Day-deg. + 10	Day-deg. 8	Day-deg. - 20	6	+ 1	Inches. 0.58	Inches. - 0.96	3	- 2	% 6
Eastern																		
1. SCOTLAND, EAST ..		51	29	46.4	33.4	42.6	+ 4.2	19	+ 10	10	- 24	6	+ 1	0.92	+ 0.14	3	- 5	6
2. ENGLAND, N.E. ..		52	36	47.6	40.3	44.1	+ 4.0	22	+ 11	5	- 21	5	+ 1	0.40	- 0.15	4	- 6	7
3. ENGLAND, EAST ..		54	37	49.1	42.7	46.1	+ 6.3	29	+ 16	0	- 30	5	0	0.47	- 0.07	6	- 5	10
4. MIDLAND COUNTIES ..		57	32	49.0	40.4	44.9	+ 5.3	27	+ 14	4	- 27	7	+ 3	0.86	+ 0.26	2	- 7	3
5. ENGLAND, S.E. ..		55	37	50.8	44.1	47.6	+ 5.9	39	+ 20	0	- 21	6	+ 1	1.09	+ 0.38	5	- 6	8
Western																		
6. SCOTLAND, WEST ..		51	32	47.2	40.3	43.9	+ 2.3	20	+ 5	5	- 14	7	+ 2	1.76	+ 0.41	1	- 7	1
7. ENGLAND, N.W. ..		57	32	48.4	40.9	44.8	+ 3.3	24	+ 9	3	- 16	7	+ 2	0.79	- 0.11	4	- 4	8
8. ENGLAND, S.W. ..		54	29	50.5	42.7	46.8	+ 3.7	34	+ 10	0	- 15	7	+ 2	2.48	+ 1.32	5	- 6	9
9. IRELAND, NORTH ..		51	30	46.9	38.9	43.1	+ 1.6	21	+ 6	9	- 11	6	0	0.90	- 0.01	2	- 7	4
10. IRELAND, SOUTH ..		53	31	48.5	40.7	44.8	+ 1.5	25	0	4	- 11	7	+ 2	1.32	+ 0.31	4	- 7	7
11. ENGLISH CHANNEL ..		55	41	52.6	46.3	49.6	+ 2.8	53	+ 16	0	- 3	7	+ 2	1.42	+ 0.36	12	- 2	21
THE SEASON (Winter).—Aggregates, &c., for the Period of 1 Week, December 4th to December 10th, 1910.																		
0. SCOTLAND, NORTH ..		53	30	*	*	*	*	20	+ 10	8	- 20	6	+ 1	0.58	- 0.96	3	- 2	6
Eastern																		
1. SCOTLAND, EAST ..		51	29	*	*	*	*	19	+ 10	10	- 24	6	+ 1	0.92	+ 0.14	3	- 5	6
2. ENGLAND, N.E. ..		52	36	*	*	*	*	22	+ 11	5	- 21	5	+ 1	0.40	- 0.15	4	- 6	7
3. ENGLAND, EAST ..		54	37	*	*	*	*	29	+ 16	0	- 30	5	0	0.47	- 0.07	6	- 5	10
4. MIDLAND COUNTIES ..		57	32	*	*	*	*	27	+ 14	4	- 27	7	+ 3	0.86	+ 0.26	2	- 7	3
5. ENGLAND, S.E. ..		55	37	*	*	*	*	39	+ 20	0	- 21	6	+ 1	1.09	+ 0.38	5	- 6	8
Western																		
6. SCOTLAND, WEST ..		51	32	*	*	*	*	20	+ 5	5	- 14	7	+ 2	1.76	+ 0.41	1	- 7	1
7. ENGLAND, N.W. ..		57	32	*	*	*	*	24	+ 9	3	- 16	7	+ 2	0.79	- 0.11	4	- 4	8
8. ENGLAND, S.W. ..		54	29	*	*	*	*	34	+ 10	0	- 15	7	+ 2	2.48	+ 1.32	5	- 6	9
9. IRELAND, NORTH ..		51	30	*	*	*	*	21	+ 6	9	- 11	6	0	0.90	- 0.01	2	- 7	4
10. IRELAND, SOUTH ..		53	31	*	*	*	*	25	0	4	- 11	7	+ 2	1.32	+ 0.31	4	- 7	7
11. ENGLISH CHANNEL ..		55	41	*	*	*	*	53	+ 16	0	- 3	7	+ 2	1.42	+ 0.36	12	- 2	21
THE YEAR.—Aggregates, &c., for the Period of 49 Weeks, January 2nd to December 10th, 1910.																		
0. SCOTLAND, NORTH ..		82	2	*	*	*	*	2101	+ 13	797	+ 95	225	- 6	45.20	- 3.35	1170	+ 73	27
Eastern																		
1. SCOTLAND, EAST ..		80	-10	*	*	*	*	2188	- 144	866	+ 60	196	+ 5	31.05	+ 2.14	1294	- 17	30
2. ENGLAND, N.E. ..		81	6	*	*	*	*	2676	+ 58	640	+ 54	181	+ 7	23.85	+ 0.55	1330	- 92	31
3. ENGLAND, EAST ..		83	17	*	*	*	*	3071	+ 50	540	- 111	184	+ 16	25.37	+ 3.05	1448	- 100	34
4. MIDLAND COUNTIES ..		83	10	*	*	*	*	2888	- 45	664	- 18	184	+ 18	28.53	+ 3.81	1304	- 75	31
5. ENGLAND, S.E. ..		81	13	*	*	*	*	3180	- 106	437	- 32	182	+ 21	29.43	+ 4.12	1498	- 69	35
Western																		
6. SCOTLAND, WEST ..		81	0	*	*	*	*	2548	- 1	617	+ 91	200	0	44.20	- 0.51	1335	- 6	31
7. ENGLAND, N.W. ..		81	7	*	*	*	*	2732	- 58	483	+ 16	206	+ 21	36.07	+ 3.40	1417	+ 55	33
8. ENGLAND, S.W. ..		81	8	*	*	*	*	3008	- 129	333	- 34	201	+ 17	41.95	+ 6.21	1504	- 27	36
9. IRELAND, NORTH ..		79	7	*	*	*	*	2646	- 18	478	+ 42	220	+ 2	37.00	+ 1.22	1267	+ 11	30
10. IRELAND, SOUTH ..		79	18	*	*	*	*	3024	- 62	355	+ 21	233	+ 30	40.20	+ 3.11	1335	- 81	31
11. ENGLISH CHANNEL ..		79	28	*	*	*	*	3580	- 120	57	- 59	207	+ 10	39.48	+ 2.26	1699	- 159	40

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.	
						Of Highest each day.	Of Lowest each day.	For whole of each day.											
																			Above 42°	Below 42°
0. SCOTLAND, N.	a, Islands.	p Baltasound	8	48	6th	37	4th	45.5	41.1	43.4	—	1.8	14	3	6	1.25	0.7	—	Baltasound.
		a Sumburgh Head	49	7th, 10th	36	4th	46.6	39.3	43.1	+ 1.8	19	8	6	0.82	— 0.18	5.0	— 0.6	11	—
		a Stornoway	48	9th	38	4th	45.9	40.4	43.3	+ 2.2	16	4	6	0.77	— 0.60	3.4	— 3.7	7	—
		a Castlebay, Barra Isd.	49	8, 9, 10th	40	4th, 5th	47.3	42.9	45.2	+ 1.9	22	0	6	0.73	—	4.9	—	10	—
		a Wick	53	7th	38	4, 5, 8th	47.3	40.0	43.8	+ 3.6	21	6	6	0.61	— 0.05	—	—	—	Strathpeffer.
	b, Main-land.	p Strathpeffer..	48	5, 6, 10th	30	8th	46.5	36.7	41.3	+ 2.6	10	22	6	0.22	— 0.49	2.9	— 3.8	6	—
		p Glencarron ..	48	5, 6, 8, 9, 10	34	7th, 8th	46.3	37.0	41.8	+ 3.1	12	22	4	0.52	— 1.71	—	—	—	Fort Augustus.
		p Fort Augustus	50	5th, 8th	33	8th	47.9	39.0	43.6	+ 3.9	24	8	5	0.38	— 0.79	0.4	— 1.5	1	—
		p Fort William	50	8, 9, 10th	38	6th, 7th	47.7	40.6	44.3	+ 2.9	22	4	6	0.73	— 1.37	—	—	—	—
		p Gordon Castle	50	5th, 6th	36	4th, 7th	47.8	38.6	43.4	+ 3.5	24	10	5	0.39	— 0.17	5.1	—	11	—
1. SCOTLAND, E. ..	a, North.	a Nairn ..	50	5th	31	4th	47.0	37.0	42.2	+ 3.1	22	14	5	0.10	— 0.38	5.5	—	12	—
		a Aberdeen ..	49	5th	36	8th	47.3	41.6	44.6	+ 4.6	20	1	6	1.08	+ 0.41	2.4	— 7.5	5	—
		a Balmoral ..	47	10th	29	7th	44.9	36.6	40.9	+ 4.7	8	22	6	2.43	+ 1.63	3.3	—	7	—
		p Crieff ..	47	5, 6, 9th	35	4th	45.1	38.9	42.1	+ 2.9	14	9	7	1.75	+ 0.77	0.5	—	1	—
		a Leith ..	51	5th	37	5, 7, 8th	48.1	40.1	44.3	+ 3.2	24	5	6	0.80	— 0.14	—	—	9	—
	b, South.	a West Linton..	47	5th, 7th	33	4th, 7th	45.3	37.3	41.5	+ 3.4	9	20	6	0.71	—	4.4	—	4	—
		p Marchmont ..	49	5th, 6th	33	5th	45.9	37.3	41.8	+ 3.2	11	21	7	0.63	+ 0.01	2.0	— 6.4	4	—
		a Alnwick Castle	51	5th	36	5th	47.5	40.1	44.0	+ 3.6	22	5	5	0.79	+ 0.12	2.7	—	5	—
		a Shields ..	52	5th	36	4th	48.1	39.3	43.9	+ 2.8	15	8	4	0.42	— 0.02	2.3	— 5.3	5	—
		p Durham ..	50	5th	36	4th, 5th	46.3	40.1	43.3	+ 4.1	17	5	6	0.32	— 0.13	4.0	— 6.0	8	—
2. ENGLAND, N.E.	a, North.	p Rounton ..	51	5th	36	4th	47.6	40.8	44.3	+ 5.1	21	3	6	0.80	— 0.11	—	—	9	—
		p Scarborough..	51	—	38	4th, 5th	47.7	41.4	44.7	+ 4.2	21	2	6	0.43	— 0.10	4.6	—	9	—
		p York ..	52	5th	37	4th	47.7	39.9	43.1	+ 1.3	17	6	4	0.24	— 0.17	—	—	—	Skegness.
		a Spurn Head ..	49	5th	37	4th, 7th	46.6	40.0	44.5	+ 4.5	26	6	7	0.34	— 0.09	8.8	—	17	—
		a Lincoln ..	52	5th	37	4th, 5th	48.6	40.6	44.8	+ 5.7	25	4	5	0.35	— 0.08	1.6	—	3	—
	b, South.	a Fulbeck ..	51	5th, 10th	37	4th	48.6	40.6	44.8	+ 5.7	25	4	5	0.35	— 0.08	1.6	—	3	—
		p Cromer ..	53	5th	37	4th	48.9	41.1	45.2	+ 5.7	26	3	7	0.38	—	6.2	—	12	—
		p Hillington ..	52	5th	37	7th	48.6	42.0	45.4	+ 5.9	24	0	6	0.39	+ 0.16	5.3	— 4.7	10	—
		a Yarmouth ..	49	5, 7, 9th	39	4th	48.1	42.6	45.5	+ 4.6	25	0	8	0.53	+ 0.03	6.8	—	13	—
		a Norwich ..	53	5th	39	4th, 7th	49.0	42.2	45.7	+ 5.5	34	0	6	0.45	— 0.04	11.1	— 0.6	21	—
3. ENGLAND, E.	a, North.	p Geldeston ..	54	5th	40	4th	49.8	43.5	46.8	+ 5.8	30	0	5	0.27	— 0.12	3.5	— 6.5	7	—
		p Cambridge ..	53	5th	38	7th	49.3	43.1	46.3	+ 5.9	25	0	5	0.32	—	13.5	—	25	—
		a Felixstowe ..	49	5th	40	4th, 7th	48.6	42.9	45.6	+ 4.0	25	0	4	0.21	—	10.0	—	18	—
		a Clacton-on-Sea	49	4th, 5th	40	4th	48.0	43.0	45.6	+ 4.1	25	0	7	0.20	+ 0.33	0.7	— 9.7	1	—
		a Rothamsted ..	52	4th, 5th	37	7th	50.1	41.9	46.2	+ 6.0	36	0	5	0.50	+ 0.14	10.3	—	20	—
	b, South.	a Shoeburyness	52	5th	40	4th, 7th	49.1	42.1	45.7	+ 3.7	26	0	5	0.50	+ 0.14	10.3	—	20	—
		p Tottenham ..	53	5th	41	4th	50.5	44.9	47.8	+ 6.6	41	0	4	0.67	—	0.2	—	0	—
		a Harrogate ..	48	5th	33	4th	45.9	39.6	42.9	+ 3.6	16	7	7	0.49	— 0.11	1.8	—	4	—
		a Bawtry ..	51	5th	37	4th, 5th	47.4	40.3	44.0	+ 4.3	21	5	7	0.38	— 0.06	0.4	— 7.4	1	—
		p Buxton ..	47	5th, 6th	32	4th	44.4	38.0	41.3	+ 3.4	7	16	7	1.13	— 0.00	0.0	—	0	—
4. MIDLAND COUNTIES.	a, East.	a Nottingham	52	5th	33	4th	47.6	39.5	43.9	+ 3.9	23	6	7	0.99	+ 0.45	0.5	—	1	—
		p Birmingham, Edgbn	51	5th	33	4th	47.6	39.5	43.9	+ 3.9	23	6	7	0.99	+ 0.45	0.5	—	1	—
		a Raunds ..	52	5th	37	4th, 7th	49.4	40.9	45.3	+ 5.4	28	3	4	0.55	—	—	—	—	Oxford.
		a Oxford ..	48	5th	38	4th	50.6	42.9	46.9	+ 6.2	34	0	6	0.46	— 0.04	2.2	— 7.8	4	—
		a Chesham ..	53	5th	38	4th	46.2	37.8	42.2	+ 3.1	19	12	7	1.10	+ 0.45	0.8	—	2	—
	b, West.	p Shrewsbury ..	52	5th	33	4th	48.3	40.5	44.6	+ 2.5	25	4	7	1.89	+ 1.35	—	—	—	Sheffield.
		a Hereford ..	51	5th, 9th	32	4th	49.4	40.5	45.1	+ 4.6	28	4	7	1.89	+ 1.35	—	—	—	—
		a Cirencester ..	57	7th	34	4, 5, 7th	52.3	39.2	46.3	+ 6.8	42	8	7	0.89	+ 0.28	3.9	— 7.6	4	—
		a Bath ..	54	5th	36	4th	51.9	42.7	47.5	+ 5.9	39	0	7	1.58	+ 0.89	—	—	—	Cirencester.
		p Kew ..	53	5th	40	7th	51.0	44.7	48.0	+ 6.6	42	0	4	0.87	+ 0.40	1.3	— 8.5	2	—
5. ENGLAND, S.E. ...	a, East.	a Marlborough ..	51	4, 5, 9th	37	4th	49.7	41.8	45.9	+ 6.0	28	1	7	1.75	+ 1.07	0.7	— 7.5	1	—
		a Margate ..	53	5th	39	4th	50.4	43.0	46.9	+ 4.6	34	0	5	0.39	— 0.09	8.8	— 2.5	16	—
		a Wisley, Surrey	53	4th, 5th	39	4th	51.4	44.3	48.0	+ 6.2	42	0	6	1.43	—	1.0	—	2	—
		a Swaraton ..	52	5th	37	7th	49.9	42.4	46.3	+ 5.8	30	0	6	1.46	+ 0.76	6.4	—	11	—
		a Tunbridge Wells	55	5th	40	4th	49.6	42.0	46.0	+ 5.1	28	0	5	1.27	+ 0.57	2.3	— 9.0	4	—
	b, Isle of Man	p Hastings ..	52	5th	43	4th	52.1	45.7	49.0	+ 5.8	49	0	5	0.55	+ 0.02	8.3	—	15	—
		a Dungeness ..	53	5th	43	4th	50.8	46.0	48.5	+ 5.6	46	0	6	0.61	— 0.05	8.8	— 4.7	16	—
		p Southampton	54	5th	39	4th	51.4	45.2	48.4	+ 5.7	45	0	6	1.42	+ 0.73	3.2	— 8.2	6	—
		a Ventnor ..	53	5th	41	4th	51.3	46.3	48.9	+ 3.7	48	0	5	1.14	+ 0.42	6.7	— 5.2	12	—
		a Ventnor ..	53	5th	41	4th	51.3	46.3	48.9	+ 3.7	48	0	5	1.14	+ 0.42	6.7	— 5.2	12	—
6. LONDON ..	a, SCOTLAND, W. ...	a Westminster ..	54	4th, 5th	40	4th	52.1	44.9	48.6	+ 7.1	16	0	5	0.61	+ 0.13	1.3	— 2.2	2	—
		a Greenwich ..	47	5th	40	4th, 7th	51.6	43.2	47.6	+ 6.4	39	0	5	0.68	+ 0.21	2.9	— 5.3	5	—
		a Poltalloch ..	50	8, 9, 10th	35	4th, 7th	45.1	39.4	42.4	+ 1.2	14	7	7	1.63	+ 0.38	—	—	—	Glasgow.
		p Glasgow ..	50	10th	37	4th, 5th	47.2	40.8	44.1	+ 3.3	20	3	7	1.60	+ 0.71	0.0	— 3.3	0	—
		p Rothsay ..	50	5th	38	4th, 7th	47.7	41.1	44.5	+ 2.8	21	3	7	1.72	+ 0.60	—	—	—	Kilmarnock.
	b, ISLE OF MAN	a Kilmarnock ..	50	5th, 7th	35	4th	47.9	39.7	44.0	+ 2.7	24	6	5	1.09	—	4.6	—	9	—
		a Colmonell ..	50	5th	36	4th, 5th	47.1	39.6	43.5	+ 1.9	21								

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	40.5	—	Harrogate	0	32	40.2	41.2	6. Dumfries	0	31	39.1	41.6
1. Aberdeen	—	—	—	42.1	Huddersfield	0	32	38.3	42.1	Douglas	0	33	—	—
Crathes	2	26	40.0	41.0	Buxton	1	30	38.7	43.5	Aspatia	0	31	39.4	43.5
Balmoral	2	25	—	—	Sheffield	0	33	40.5	43.2	Newton Rigg	0	32	41.1	42.6
West Linton	3	26	—	—	Nottingham	0	32	41.5	41.4	Burnley	0	32	40.0	42.3
Marchmont	0	31	38.6	—	Oxford	1	29	42.0	44.0	Southport	2	28	40.0	41.8
Cockle Park	1	30	40.1	40.5	Hereford	0	32	—	—	Manchester City	0	35	40.8	43.4
Durham	0	32	—	—	Cirencester	1	30	41.6	43.9	Bettws-y-Coed	0	32	42.1	44.1
2. York	—	—	41.4	44.0	Bath	—	—	43.7	45.6	Llangammarch Wells	2	27	42.4	45.9
Hull	1	30	41.0	44.0	Margate	0	38	44.1	45.3	Cardiff	1	30	42.2	44.7
Lincoln	—	—	40.1	42.7	Greenwich	0	32	—	—	Clifton	3	28	—	—
Rauceby	1	29	42.0	44.3	Westminster	0	34	—	—	Plymouth	1	29	46.8	—
Norwich	0	32	—	—	Kew	1	29	42.9	44.7	9. Armagh	1	30	41.6	45.0
Yarmouth	—	—	41.9	44.6	Canterbury	0	34	43.2	44.4	Markree	1	27	42.2	46.7
Lowestoft	0	35	43.2	45.2	Tunbridge Wells	1	29	43.1	—	10. Dublin, Trin. Coll. ..	2	27	42.4	45.0
3. Cambridge	1	30	42.4	44.4	Wisley	0	35	43.5	44.8	11. Guernsey, Brooklyn	0	39	47.4	49.1
Clacton-on-Sea	0	35	44.2	47.0	Worthing	0	32	45.2	46.7					
Southend	1	30	44.0	—	Portsmouth	0	39	45.3	47.2					
Tottenham	0	33	—	45.7	Glasgow	0	34	—	—					
					Rothsay	—	—	—	43.0					
					Colmonell	0	35	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	44	44	44.0	SCOTLAND, W.	Lamlash	48	47	47.1
	Kirkwall	45	41	43.7		Ballastra	45	43	44.4
	Wick	?	?	?	ENGLAND, N.W.	Port Erin	48	46	47.1
SCOTLAND, E.	Cromarty	42	39	40.7		Newquay	50	48	48.9
	Pennan Bay	43	41	42.1	ENGLAND, S.W.	Scilly	51	48	49.7
	Aberdeen, Cove Bay	46	45	45.5		Plymouth	52	51	50.9
ENGLAND, N.E.	Burnmouth, Berwick	44	42	43.8		Salcombe	51	48	49.2
	Scarborough	44	43	44.2	IRELAND, N.W.	Sheephaven	46	45	45.9
ENGLAND, E.	Shipwash Lightship	46	45	45.4		Teelin	47	42	44.5
	Margate	46	44	44.6	IRELAND, S.W.	Cleggan	45	42	43.7
ENGLAND, S.E.	Eastbourne	48	46	46.9	IRELAND, E.	Seafield	48	44	45.1

: Only one observation each day.

REGISTERING BALLOON ASCENTS.
PYRTON HILL, November 3rd and 4th, 1910.

November 3rd. 2.30 p.m.						November 4th. 7.9 a.m.					
Height Km.	Pressure. Mgd.	Temperature. A°.	Height. Km.	Pressure. Mgd.	Temperature. A°.	Height. Km.	Pressure. Mgd.	Temperature. A°.	Height. Km.	Pressure. Mgd.	Temperature. A°.
Ground	.968	278	7.0	.390	235 232	Ground	.973	274	7.5	—	230 229
0.5	.919	275.5	7.75	—	229	0.5	.931	275	8.0	.337	228 229
1.0	.861	273 271	8.30	—	232 225	1.0	.875	273	8.3	—	230 227
1.5	.811	271.5 269.5	9.0	.289	231.5 227	1.5	.822	270.5 269.5	9.0	.291	227 229
2.0	.763	270 268	10.0	.249	230 228	2.0	.771	268 266.5	10.0	.251	229 229
2.5	.715	267 265	11.0	.214	229 227.5	2.5	.724	265 263	11.0	.217	231 229
3.0	.671	265 263	12.0	.185	228 227	3.0	.678	260.5	12.0	.183	229 227
3.5	.624	262 260	13.0	.160	228 227	3.5	.636	258	13.0	.163	227 225
4.0	.587	259 257	14.0	.137	226.5 223	4.0	.595	254.5	14.0	.138	226 224
4.5	.551	?	15.0	.119	224 222	4.5	.556	251	15.0	.120	225 222
5.0	.515	?	16.0	.102	223.5	5.0	.518	247 246.5	16.0	.102	224.5 223.5
6.0	.448	243 241				6.0	.451	239 238	17.0	.089	224 224
						7.0	.392	233 232	17.7	.080	—

Fell at Chelmsford. 100 km. 80°. Wind E. on surface, S. at 500 m. Raining. Very heavy rain at 2.45 p.m. Barometer falling at an excessive rate. Gale from E. at 4.0 p.m. The balloon did not burst.
Fell at Gravesend. 96 km. 115°. Bar rising fast. Clear, light S.W. wind.

ADDITIONAL OBSERVATIONS IN THE UPPER AIR.

No.	Date, 1910.	Station.	Wind Direction (in Degrees, 90° = E, 180° = S, 270° = W, 360° = N) and Velocity, Metres per Second.																		
			Ground Level.	500 metres.	1,000 metres.	1,500 metres.	2,000 metres.	2,500 metres.	3,000 metres.	3,500 metres.	4,000 metres.	4,500 metres.	5,000 metres.	5,500 metres.	6,000 metres.	7,000 metres.	8,000 metres.	9,000 metres.	10,000 metres.	11,000 metres.	12,000 metres.
1	Nov. 29th, 10.46 a.m.	Pyrtion Hill, Oxon. 150 m.	— 0	340° 5.0	300° 4.0	340° 4.5	340° 3.0	335° 5.0	290° 13.0	255° 15.5	250° 20.0										

NOTE.—No. 1. Capacity of balloon .015 cub. metres. Two theodolites to 3000 m. ci. str. No low clouds.

Sunday, 4th December, 1910.

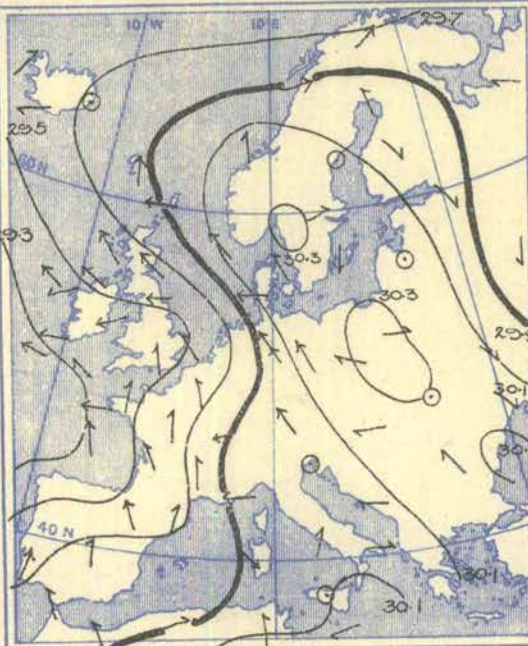
Temperature and Weather.

7 a.m.

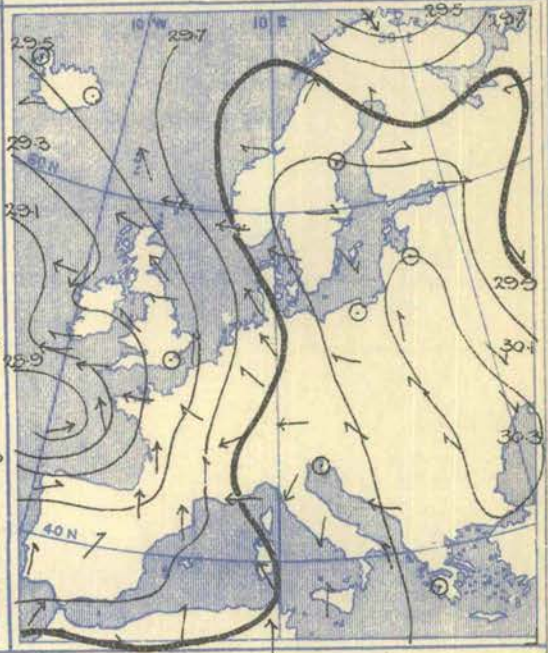


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy over the Low Countries, Western Germany, and at many of our own stations, as well as at Lorient, Trieste, and in some parts of Spain. Fair to fine at most places in the south of our area, very cloudy or overcast in Russia, with snow in places. Rain falling later in these Islands and over a considerable area on the Continent; as much as 4.95 ins. at Gibraltar.

Temperature risen in France, the Netherlands, and the east of England. Morning readings ranging from 64° at Algiers and about 60° at a few other places in the far south to below 32° over a vast area in the north and east and to 10° or below in Finland. Maxima during day 75° at Algiers and above 70° on the coast of Algeria generally, 71° at Malta, and above 60° on most shores of the Mediterranean. Frost continuing all day in Poland, Russia, and Sweden. Thermometer rising to 50° or above in England.

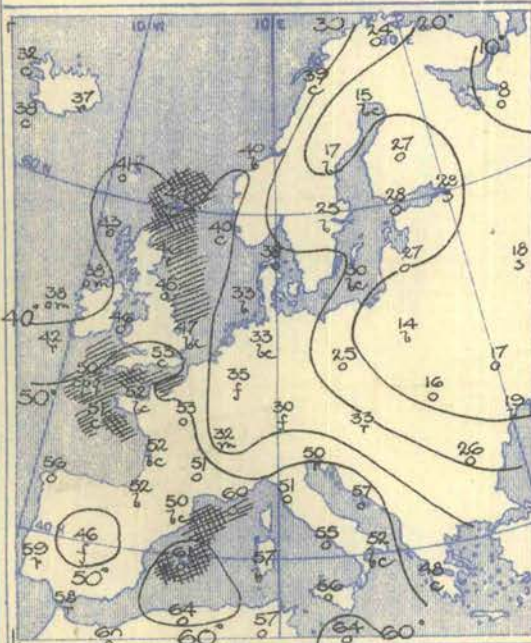
Wind in morning very strong from the Eastward over these Islands and the North Sea, and moderate to fresh from the Southward or South-Eastward over the Bay of Biscay. An anticyclonic circulation prevailing over the eastern half of the Continent, but a gale from North-West blowing at Vardø. Increasing to a gale by evening at the mouth of the Channel and also at Skudesnaes and Sumburgh Head. Increasing to a gale from North at Lugano and to a high wind from North-East at Toulouse.

Barometer in morning above 30.3 ins. in a large high pressure system extending from Scandinavia to the Black Sea. Below 29.3 ins. in a depression over the Bay of Biscay. Not much change later in the general distribution, but pressure decreasing over these Islands and France, and gradient growing steeper both over the United Kingdom and in several Continental regions.

Monday, 5th December, 1910.

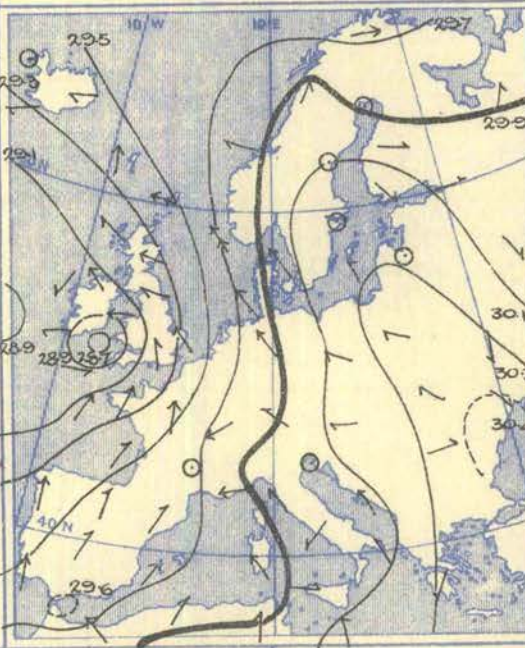
Temperature and Weather.

7 a.m.

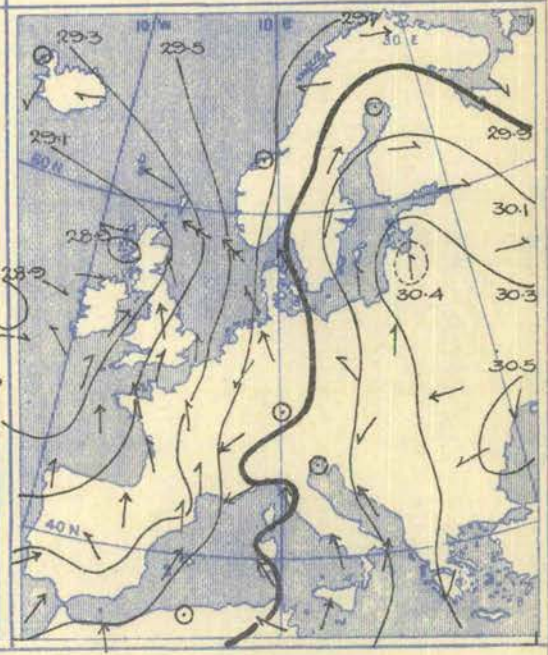


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in many parts of these Islands, and also at several stations scattered over a large area over the southern half of the Continent. Variable elsewhere; mostly very cloudy or dull, but bright in Poland. About 1.0 in. of rain experienced later over a large portion of southern France, and as much as 1.6 in. at Lugano. About 1.0 in. falling at Turin and considerable amounts in the Spanish Peninsula. Amounts small in most parts of these Islands, but 0.8 in. at Pembroke.

Temperature risen decidedly over these Islands and the nearer regions of the Continent. Morning readings ranging from about 50° in England and France and 60° or above at a few places in the far south of our area to below 20° over a large portion of Russia and Sweden, and to 8° at Archangel. Rising to about 50° later in many parts of these Islands and France, but remaining below that figure very generally over the central countries. Thermometer rising to 79° at Tunis, to 70° on the coast of Algeria and at Palermo and to 68° at Malta.

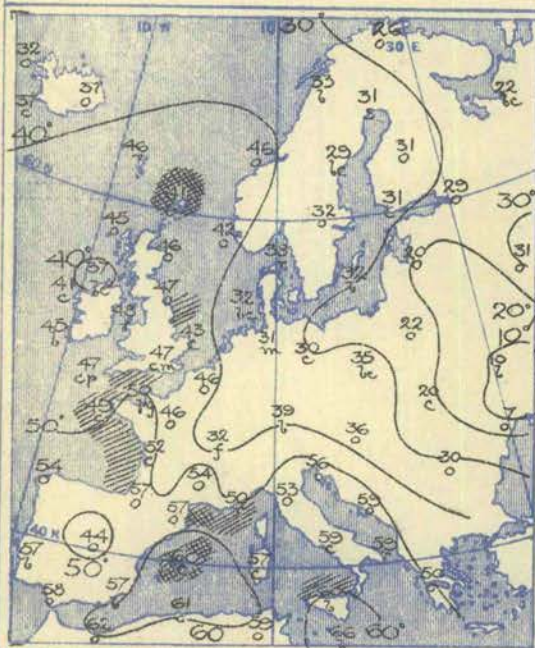
Wind in morning cyclonic over the United Kingdom and the regions surrounding, anticyclonic elsewhere. Strong from West at Scilly, blowing a gale from South at Portland Bill, and a strong or fresh breeze from between South and South-East in many other parts of the Kingdom. A gale from South-East prevailing beyond the North Sea. A strong Easterly gale reported at Gibraltar, and a high wind from South-West at Palma. North Sea gale continuing throughout the day and extending to the Skager Rack, but force decreasing in many parts of these Islands. A high wind from South-East setting in at Pesaro.

Barometer in morning above 30.4 ins. over the Black Sea, and relatively high in a ridge extending thence to the Baltic and Sweden. Below 28.7 ins. in a deep depression having its minimum over the St. George's Channel. Barometric minimum becoming transferred to the Hebrides by evening. No change of importance taking place in the general distribution of pressure; increasing somewhat within the anticyclonic area, falling over Scotland and the Icelandic region.

Tuesday, 6th December, 1910.

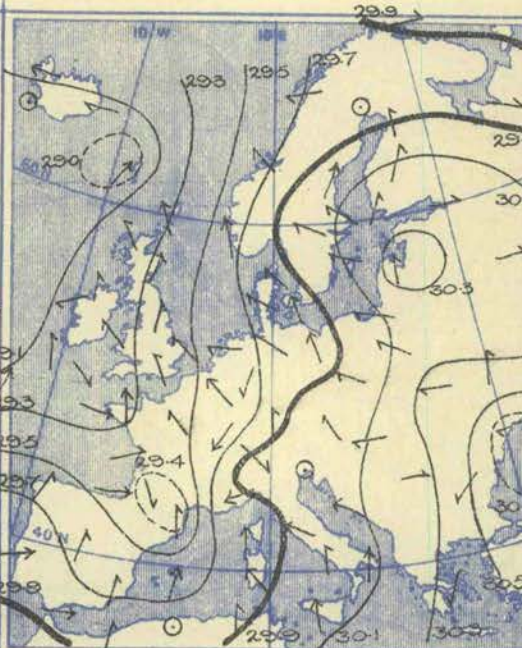
Temperature and Weather.

7 a.m.

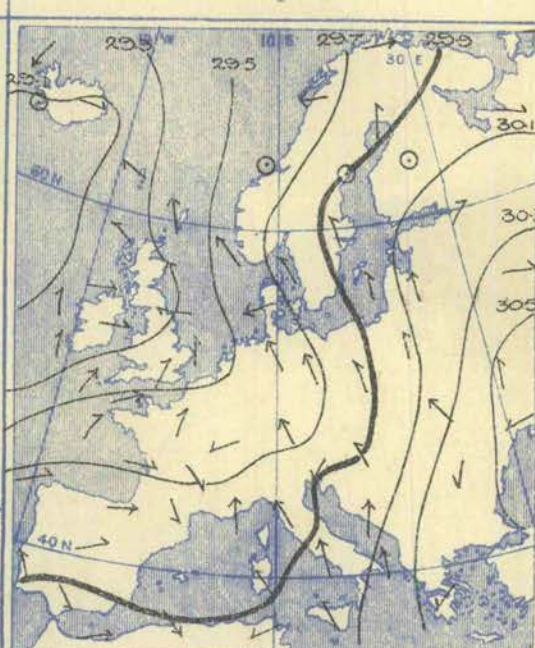


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning very cloudy or overcast in almost all parts of our area except the south of Spain and at some places in central Europe. Rainy in the south-west of these islands and over a considerable area in France and Italy, as well as at Skagen and Thorshavn. Snow falling in the north of Sweden. Very heavy rain experienced later in the south of France, northern Italy and the adjacent portion of Switzerland, as much as 2.4 ins. at Lugano, and smaller amounts in some other regions, including most parts of these islands.

Temperature changed irregularly. Morning readings ranging from 66° at Malta and above 80° at some other southern stations to about 45° in the north of France and in many parts of Great Britain to below 32° over a very large area in the east and north of the Continent; thermometer below 10° in southern Russia, and only 1° at Nicolaeff. Maxima 70° or above in Algeria and Sicily, and 80° at Tunis, but below 60° very generally in the south of France, and below 50° in the central countries. Thermometer rising to 50° or slightly above at many of our own stations.

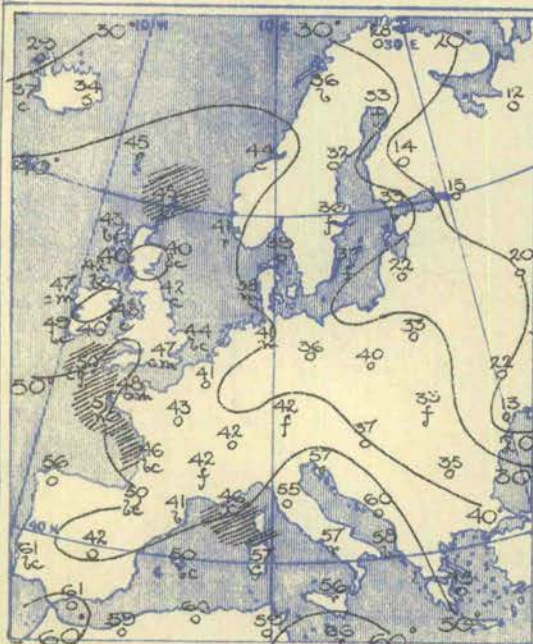
Wind in morning mainly anticyclonic over the eastern half of our area and cyclonic over the western half. Force varying considerably, but mostly light or moderate except in the south of Norway and on some shores of the Mediterranean. A high wind from South prevailing at Palermo. Little change later as a whole. Increasing in force from the South-Westward on the English Channel, and becoming high from South at Pesaro.

Barometer in morning above 30.6 ins. over the Black Sea and relatively high over Russia; below 29.4 ins. in a depression over the south of France, about 29.1 ins. in a small disturbance over the south-west of England, and below 29.0 ins. in another minimum between the Faeroes and Iceland. General situation remaining with little change throughout the day, but northern minimum dispersing, and that over the south-west of England moving North-Eastward. French depression becoming less deep and moving Southward.

Wednesday, 7th December, 1910.

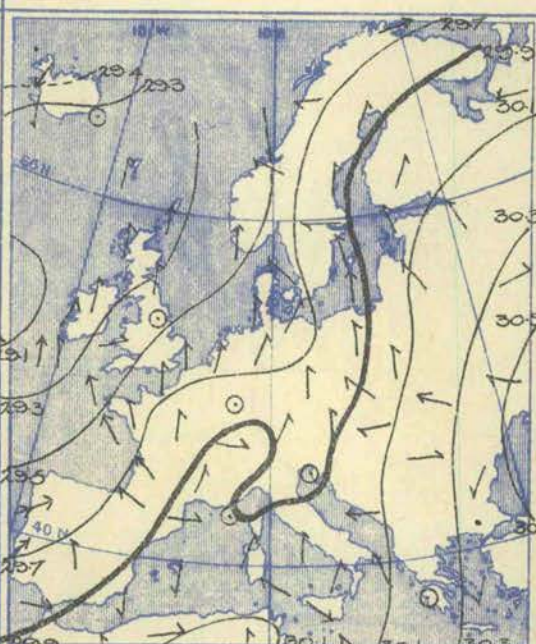
Temperature and Weather.

7 a.m.

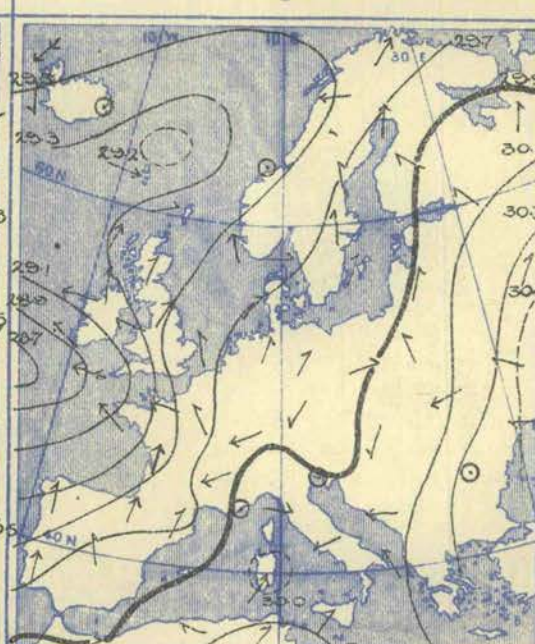


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in places over the Mediterranean region, as well as in the south of Norway and Shetland; variable, but mostly cloudy or overcast, elsewhere. A little rain later in many parts of these islands and larger quantities in the Spanish Peninsula, the south of France, the south of Switzerland, and in Italy. As much as 2.5 ins. at Nice, and 1.0 in. at Lugano.

Temperature risen in central Europe, fallen or changed little elsewhere. Readings in morning as high as 66° at Malta and about 60° at a few other southern stations; below 10° in the south of Russia and below 20° over that country generally. Below 40° at most places in central Europe, but between 45° and 50° over England. Rising to above 70° later on the coast of Algeria, and to above 60° in many parts of Italy and on the opposite shores of the Adriatic. Maxima about 50° at many of our own stations, and minima at night no lower than about 45°.

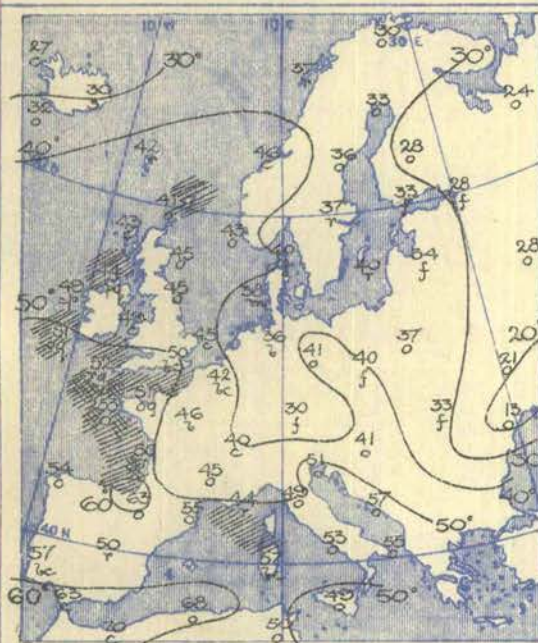
Wind in morning strong to a gale from the South-Westward on the coast of Portugal, light or moderate from the Southward over France and the United Kingdom, and fresh or strong from the North-Eastward in Iceland. Variable breezes of little force general over the Mediterranean, and a light anticyclonic movement in Russia and its immediate neighbourhood. Increasing to a gale from the South-Eastward later on our south and south-west coasts and in Brittany, and gale continuing from South on the coast of Portugal. Little change in the east and south of our area.

Barometer in morning below 29.2 ins. on the Atlantic to the west and north-west of the United Kingdom, but no depression of importance existing over the mainland of our area. Pressure above 30.6 ins. in the south of Russia. A very brisk fall of the barometer taking place during day on our south-west coasts, and gradient becoming steep in the west and south of this country and also over the Bay of Biscay and the Peninsula. A small minimum with moderate gradients appearing to the northward of Scotland.

Thursday, 8th December, 1910.

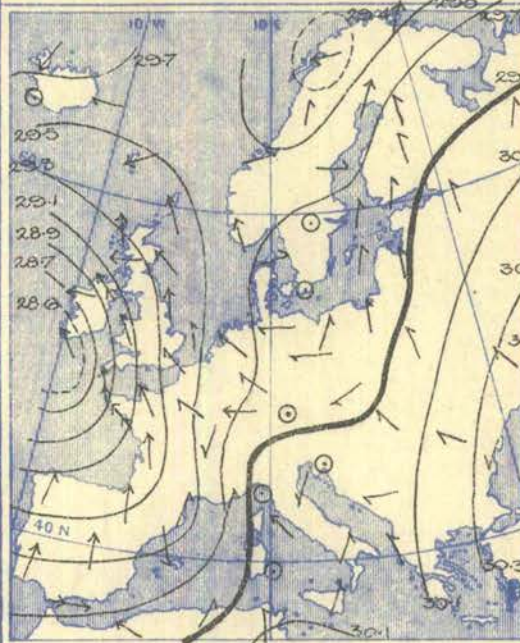
Temperature and Weather.

7 a.m.

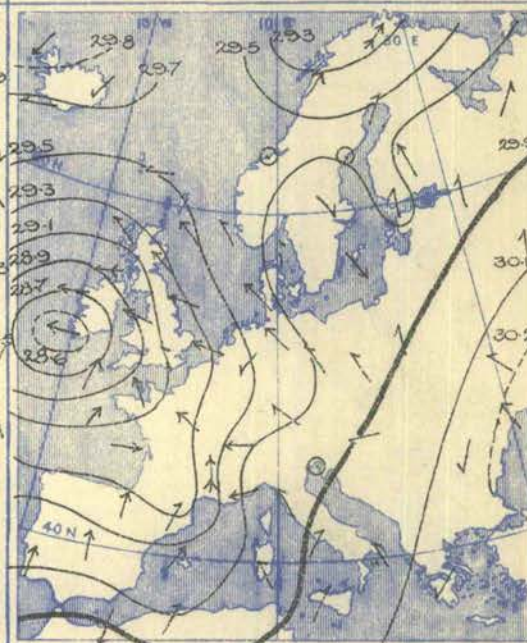


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the west of these Islands, in Italy, on several shores of the Baltic, as well as at Rochefort and Madrid. Cloudy or overcast in most other regions, but fair or fine in places. Rain experienced throughout these Islands, France, the Low Countries, Switzerland, and in most parts of Italy and Spain during the ensuing 24 hours. About 0.75 in. at Pembroke, and more than an inch at many stations on the Continent; 1.5 in. at Turin, 2.1 ins. at Nice, and 2.4 ins. at Lugano.

Temperature risen generally, fallen in some Italian districts. Morning readings ranging from about 10° in the south of Russia and below 32° over that country generally to 50° in the south and south-west of these Islands and over the northern half of Italy, and to about 60° on some shores of the Mediterranean. Thermometer standing as high as 70° at Nemours. Maxima during day again about 50° or rather higher in many parts of this country and over the greater portion of France, and between 60° and 70° or above over a large area in the south; thermometer rising to 72° at Palermo, to 79° at Nemours, and to 81° at Algiers.

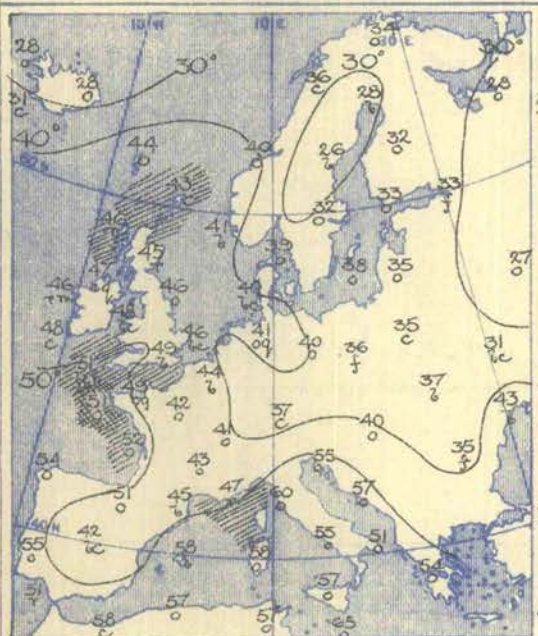
Wind in morning South-Easterly over the United Kingdom and the nearer countries of the Continent, strong to a strong gale on our west and south-west coasts; strong to high from the Westward on the coast of Portugal, and blowing a gale from that quarter at Gibraltar. Light breezes, mainly from the Southward prevailing over Russia and Sweden. Strong winds and gales continuing all day in these Islands, and a gale from South springing up at Lyons.

Barometer in morning above 30.5 ins. in southern Russia; below 29.4 ins. in the north-west of Norway, and below 28.6 ins. in a deep depression centred off the south-west of Ireland. Scarcely any change occurring later in day in the general disposition of pressure, and not much in the actual height of the barometer. Gradient increasing over the Riviera and the valley of the Rhone, owing to a secondary disturbance in that neighbourhood.

Friday, 9th December, 1910.

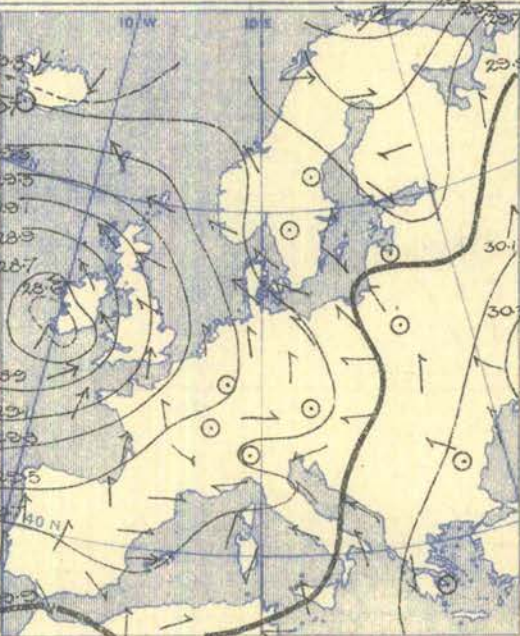
Temperature and Weather.

7 a.m.

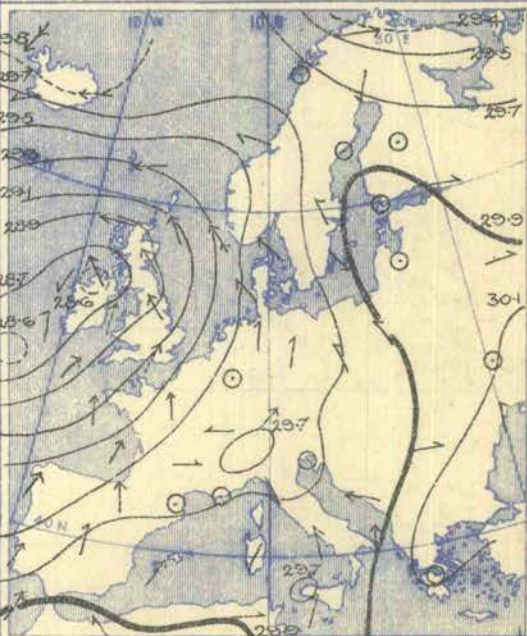


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the north of Italy, the Riviera, and at many of our own western and northern stations, as well as at San Fernando and Oran. Overcast in most other regions, but fair to fine in a few places. Rain experienced later over the greater part of our area about 0.5 in. at Bath and Florence, 0.9 in. at Lugano, and 1.6 in. at Leghorn.

Temperature fallen at most places in the south, changed rather irregularly elsewhere. Morning readings ranging from below 32° over large districts in northern Europe to about 50° in the south of England and the west of France, and to above 55° at various stations in the far south of Europe and the north of Africa. Thermometer as high as 65° at Malta. Rising later to 77° at Oran, 70° at Malta and Palermo, and to above 60° at some other places in the south; to above 50° in many parts of these Islands, but remaining below it in central Europe. Night very mild in this country.

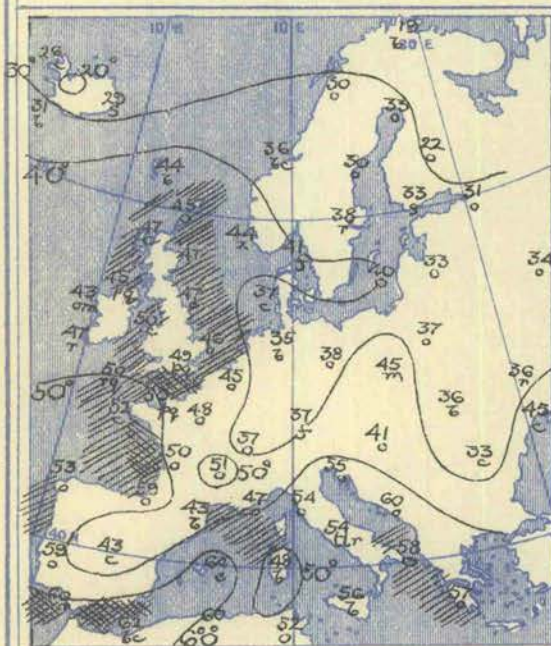
Wind in morning showing a well-marked cyclonic circulation over these Islands and their vicinity, the Southerly to South-Easterly current blowing strongly on many parts of our coasts, and attaining gale force at Portland Bill. A North-Easterly gale prevailing at Isafjord. Light or moderate winds elsewhere, mainly from between West and South over the Mediterranean, and from the Southward in Russia. Increasing to a gale from South South-East later in Shetland and on the south-west coast of Norway, and increasing to a high wind from East at Thorshavn. Veering somewhat on our western and south-western coasts.

Barometer in morning ranging from above 30.3 ins. in the south of Russia to 29.2 ins. and below in the north of Scandinavia, and to below 28.6 ins. in a well-defined depression centred over the south-west of Ireland. Latter travelling Northward later in day, but another system affecting the barometer and winds on the extreme south-west coasts. Not much change occurring in the general distribution of pressure.

Saturday, 10th December. 1910.

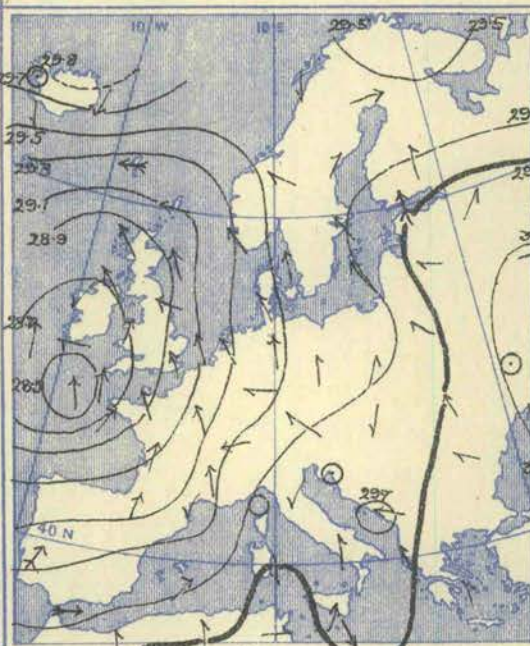
Temperature and Weather.

7 a.m.

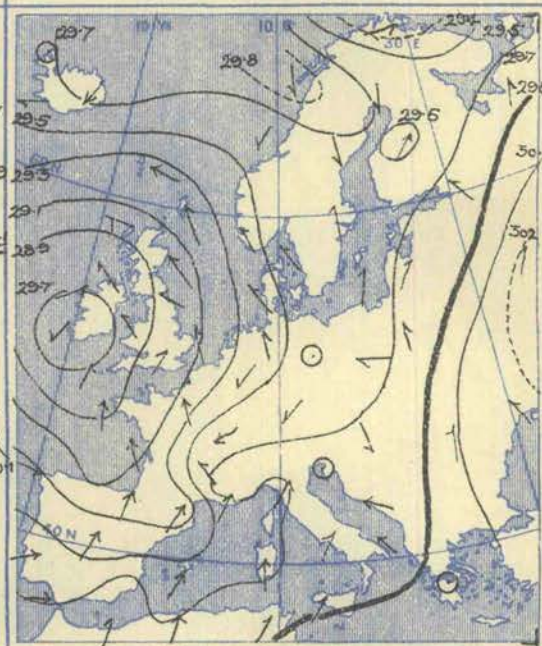


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy over a large part of this country and northern France, as well as at several stations in the Spanish Peninsula, and a thunderstorm prevailing at Rome. Fair to cloudy in most other regions, but some rain and snow falling in Scandinavia. Very heavy rain later in the north of Italy, the Riviera, and the south of Switzerland; 2.0 ins. at Turin and 2.4 ins. at Nice. Rain falling in various amounts over these Islands, France, and the Spanish Peninsula.

Temperature risen over the major portion of our area. Morning readings above 60° at a few places in the far south, and about 50° in the south of this country; below 32° in Finland and the north of Scandinavia, but above it in most of Russia and central Europe. Maxima during day a little above 50° at many of our own stations, and between 50° and 55° in most parts of France. Thermometer touching 70° on the coast of Algeria, and 65° at a few places in southern Europe. Minima at night very high for the time of year in these Islands.

Wind in morning mainly cyclonic except in Russia and its immediate vicinity, the chief movement being over these Islands and France. Southerly current blowing a gale at Portland Bill, and a fresh or strong breeze over England generally. Easterly current strong to a gale over the Icelandic region. A strong gale from West prevailing at Gibraltar, and a high wind from South-West at Palma, and also at Biarritz. Very little change during day; decreasing in force at most of our own stations.

Barometer in morning below 29.5 ins. in a deep depression having its minimum off our south-west coasts, and relatively low both over Italy and the north of Scandinavia; above 30.2 ins. in southern Russia. Gradient very steep between these Islands and Iceland, and rather steep over the United Kingdom, France, and the Spanish Peninsula. No important modification occurring later in the general distribution of pressure. Low pressure system off our south-west coasts apparently moving slightly Northward and becoming somewhat less deep.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Dec. 8th, 9.45 a.m. to 10.15 a.m.	Pyrton Hill, Oxon, 150 m.	{	Temperature ..	281°	280.5°	279°					Overcast, rainy. Very strong, gusty and increasing wind found at 400-500 m.
			{	Humidity ..	90%	90%	90%					
			{	Wind ..	90°, 7	110°, 13	135°, 19					
2	Dec. 9th, 9.55 a.m. to 10.30 a.m.	Pyrton Hill, Oxon, 150 m.	{	Temperature ..	282.5°	282°	280°					Overcast Stratus. Wind velocity rapidly increasing with altitude and kite becoming unmanageable
			{	Humidity ..	100%	100%	100%					
			{	Wind ..	135°, 9	150°, 14	180°, 21					
3	Dec. 10th, 10.45 a.m. to 11.45 a.m.	Brighton, 115 m.	{	Temperature ..	282.2°	280.5°						
			{	Humidity ..	90%	90%						
			{	Wind ..	180°, 8-13	?, 11						

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3
No. of Kites ..	1	1	1
Area of Surface (sq. metres) ..	6	4	4.5
Capacity of Balloon (cub. metres) ..	400	400	500
Length of Wire (metres) ..	400	400	500

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 401

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 50.
Vol. XXVII. (New Series.)

FIFTIETH WEEK, SUNDAY, DECEMBER 11TH, TO SATURDAY, DECEMBER 17TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather. Rain was of daily occurrence in almost all parts of the Kingdom, and fair intervals were very few and brief. As a whole the conditions were rough and squally. A thunderstorm was experienced at Shrewsbury on the 13th.

Temperature was very high for the time of year, the excess amounting to 9° in England E., to 8° in the Midland Counties and England S.E., to more than 5° in several other parts of Great Britain, and to about 3½° in Ireland and the English Channel. The highest of the maxima occurred at most stations on the 15th or 16th, and ranged from 57° in England E. and the English Channel to 51° and 50° respectively in Scotland N. and W. The lowest of the minima, which were recorded very commonly on the 16th, ranged from 30° in Scotland N. and E. to 39° in England E., and to 44° in the English Channel. In comparison with the average the night temperatures were generally much higher than those of the daytime. Over England and Ireland the mean of all the minima varied between 40° and 48°. The lowest grass readings recorded were 26° at Llangammarch Wells, 29° at Buxton and Tunbridge Wells, and 31° at Rauceby, Sheffield and Dublin.

In England S.E. the rainfall for the week 2.09 ins., the mean temperature 48.8° F. and the accumulated temperature above 42°, 48 day degrees, are all in excess of the highest values recorded for the 50th week of the year during the past 32 years.

Mean Temperature of the Sea. Except on the north-west coast of Ireland the water was warmer than during the corresponding week of last year. The means varied from about 50° at Scilly, Plymouth and Salcombe, and between 48° and 49° at Port Erin, Newquay and Eastbourne, to 42° at Cromarty and Pennan Bay.

Rainfall was more than the average in all districts except Scotland N., the excess being very large generally. Falls of more than an inch were recorded at Marlborough on the 14th, at Cardiff on the 15th. and in some parts of Wales, and at Cally, Gatehouse on the 16th. The largest total falls for the week were 4.74 ins. at Llangammarch Wells, 3.75 ins. at Bettws-y-Coed and 3.25 ins. at Swarraton.

Bright Sunshine was less than the normal in all districts, the percentage of the possible duration ranging from 24 in the English Channel to 15 in England S.W., and to 6 in Scotland W.

Barometer and Wind.—Cyclonic conditions prevailed throughout the period, the barometric minimum remaining on the Atlantic until Friday when the centre of a depression moved in an east-north-east direction to the south of Norway, which it reached on Saturday. The Southerly and South-Westerly winds frequently became high or attained gale force in the west and south-west and occasionally in the east and north during the earlier days of the week. The gale accompanying the passage of Friday's depression was more general and severe. In the west the wind blew hard from South, veering to West and North-West, while in the Channel it attained the force of a "whole gale" from the Westward in several places, and the force of "a storm" in the Scilly Isles.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 388.		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel
Comparison with average for the time of year	Warmth ...	Unusual	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Unusual	Unusual	Very unusual	Unusual	Moderate	Very unusual
	Rainfall ...	Light	Moderate	Heavy	Very heavy	Very heavy	Very heavy	Heavy	Very heavy	Very heavy	Heavy	Heavy	Heavy
	Sunshine ...	Moderate	Moderate	Scanty	Scanty	Moderate	Moderate	Scanty	Moderate	Moderate	Moderate	Scanty	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 2 weeks from Dec. 4th, 1910.	Warmth ...	2 * 0	2 * 0	2 * 0	2 * 0	2 * 0	2 * 0	1 * 0	2 * 0	2 * 0	2 * 0	0 * 0	2 * 0
		0 * 2	0 * 0	1 * 0	1 * 0	2 * 0	2 * 0	* 0	1 * 0	2 * 0	1 * 0	2 * 0	2 * 0
	Sunshine ...	0 * 0	0 * 1	0 * 2	0 * 2	0 * 1	0 * 1	0 * 2	0 * 1	0 * 1	0 * 1	0 * 2	0 * 0

PAST SEASONS.

WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
		6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
		4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
		5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6
AUTUMN, 1910. Sept. 4th-Dec. 3rd. 13 weeks.	Warmth ...	2 * 5	2 * 5	5 * 8	5 * 6	3 * 7	4 * 8	3 * 5	3 * 8	3 * 7	4 * 4	3 * 6	3 * 6
		3 * 9	3 * 7	3 * 8	5 * 5	4 * 3	5 * 4	1 * 6	4 * 7	4 * 5	2 * 8	2 * 7	6 * 4
		7 * 1	6 * 3	6 * 5	2 * 6	2 * 6	5 * 6	4 * 3	5 * 2	5 * 6	5 * 3	2 * 4	1 * 6

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE.—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

DISTRICTS. (See Frontispiece, map.)		FIFTIETH WEEK—December 11th to December 17th, 1910.															
		Temperature.								Rainfall.				Sunshine.			
		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
		Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)						
		°	°	°	°	°	°	Day-deg.	Day-deg.	Day-deg.	Day-deg.	Inches.	Inches.			%	%
0. SCOTLAND, NORTH		51	30	47.0	40.5	43.9	+ 4.9	20	+ 11	4	- 25	0.78	- 0.64	3	- 1	8	- 2
Eastern																	
1. SCOTLAND, EAST		52	30	46.9	40.1	43.6	+ 5.7	19	+ 11	5	- 33	0.76	+ 0.08	4	- 3	8	- 7
2. ENGLAND, N.E.		54	27	49.0	42.2	45.7	+ 6.5	26	+ 17	0	- 30	1.04	+ 0.46	4	- 5	8	- 10
3. ENGLAND, EAST		57	39	51.4	44.5	48.1	+ 9.1	43	+ 33	0	- 34	1.43	+ 0.97	5	- 5	9	- 10
4. MIDLAND COUNTIES		55	38	50.0	42.8	46.6	+ 7.8	32	+ 21	0	- 36	1.81	+ 1.27	6	- 3	10	- 5
5. ENGLAND, S.E.		55	38	51.8	45.5	48.8	+ 7.7	48	+ 31	0	- 23	2.09	+ 1.49	8	- 3	14	- 5
Western																	
6. SCOTLAND, WEST		50	38	47.7	42.4	45.1	+ 4.3	22	+ 9	0	- 22	1.74	+ 0.49	3	- 4	6	- 8
7. ENGLAND, N.W.		53	36	49.2	42.7	46.1	+ 5.5	29	+ 16	0	- 24	1.83	+ 1.04	5	- 2	10	- 4
8. ENGLAND, S.W.		55	37	51.3	44.3	47.9	+ 5.3	41	+ 20	0	- 16	2.71	+ 1.65	8	- 2	15	- 4
9. IRELAND, NORTH		52	36	48.2	40.8	44.7	+ 3.6	24	+ 10	3	- 19	1.15	+ 0.27	7	- 2	14	- 4
10. IRELAND, SOUTH		54	37	50.1	42.7	46.6	+ 3.6	32	+ 9	0	- 16	2.01	+ 0.98	7	- 4	14	- 7
11. ENGLISH CHANNEL		57	44	53.6	47.1	50.5	+ 3.6	60	+ 26	0	- 4	1.63	+ 0.70	13	+ 1	24	+ 1
		THE SEASON (Winter).—Aggregates, &c., for the Period of 2 Weeks, December 4th to December 17th, 1910.															
0. SCOTLAND, NORTH		53	30	*	*	*	*	40	+ 21	12	- 45	1.36	- 1.60	6	- 3	7	- 4
Eastern																	
1. SCOTLAND, EAST		52	29	*	*	*	*	38	+ 21	15	- 57	1.68	+ 0.22	7	- 8	7	- 8
2. ENGLAND, N.E.		54	36	*	*	*	*	48	+ 28	5	- 51	1.44	+ 0.31	8	- 10	8	- 10
3. ENGLAND, EAST		57	37	*	*	*	*	72	+ 49	0	- 64	1.90	+ 0.90	11	- 9	10	- 9
4. MIDLAND COUNTIES		57	32	*	*	*	*	59	+ 35	4	- 63	2.67	+ 1.53	8	- 9	8	- 9
5. ENGLAND, S.E.		55	37	*	*	*	*	87	+ 51	0	- 44	3.18	+ 1.87	13	- 8	12	- 7
Western																	
6. SCOTLAND, WEST		51	32	*	*	*	*	42	+ 14	5	- 36	3.50	+ 0.90	4	- 10	4	- 10
7. ENGLAND, N.W.		57	32	*	*	*	*	53	+ 25	3	- 40	2.62	+ 0.93	9	- 6	9	- 6
8. ENGLAND, S.W.		55	29	*	*	*	*	75	+ 30	0	- 31	5.19	+ 2.97	13	- 8	12	- 8
9. IRELAND, NORTH		52	30	*	*	*	*	45	+ 16	12	- 30	2.05	+ 0.26	9	- 10	9	- 9
10. IRELAND, SOUTH		54	31	*	*	*	*	57	+ 9	4	- 27	3.33	+ 1.29	11	- 11	10	- 10
11. ENGLISH CHANNEL		57	41	*	*	*	*	113	+ 42	0	- 7	3.05	+ 1.06	25	- 1	22	- 1
		THE YEAR.—Aggregates, &c., for the Period of 50 Weeks, January 2nd to December 17th, 1910.															
0. SCOTLAND, NORTH		82	2	*	*	*	*	2121	+ 24	801	+ 70	232	- 5	45.98	- 3.99	1173	+ 72
Eastern																	
1. SCOTLAND, EAST		80	- 10	*	*	*	*	2207	- 133	871	+ 27	202	+ 6	31.81	+ 2.22	1298	- 20
2. ENGLAND, N.E.		81	6	*	*	*	*	2701	+ 75	640	+ 24	188	+ 11	24.89	+ 1.01	1334	- 97
3. ENGLAND, EAST		83	17	*	*	*	*	3114	+ 83	540	- 145	190	+ 18	26.80	+ 4.02	1453	- 105
4. MIDLAND COUNTIES		83	10	*	*	*	*	2920	- 24	664	- 54	191	+ 21	30.34	+ 5.08	1310	- 77
5. ENGLAND, S.E.		81	13	*	*	*	*	3228	- 75	437	- 55	189	+ 24	31.52	+ 5.61	1506	- 71
Western																	
6. SCOTLAND, WEST		81	0	*	*	*	*	2570	+ 8	617	+ 69	207	+ 2	45.94	- 0.02	1338	- 10
7. ENGLAND, N.W.		81	7	*	*	*	*	2761	- 42	483	- 8	213	+ 23	37.90	+ 4.44	1422	+ 53
8. ENGLAND, S.W.		81	8	*	*	*	*	3049	- 109	333	- 50	203	+ 19	44.66	+ 7.86	1512	- 29
9. IRELAND, NORTH		79	7	*	*	*	*	2670	- 8	481	+ 23	227	+ 4	38.15	+ 1.49	1273	+ 8
10. IRELAND, SOUTH		79	18	*	*	*	*	3056	- 53	355	+ 5	240	+ 41	42.21	+ 4.09	1342	- 85
11. ENGLISH CHANNEL		79	28	*	*	*	*	3640	- 94	57	- 63	213	+ 11	41.11	+ 9.96	1712	- 159

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.
 † In districts 0, 1, and 6, the district averages for temperature are for 20 years only.
 ‡ The corresponding value for Report Nos. 48 and 49 slightly altered owing to the receipt of further information.
 § The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.
 ¶ The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked a, and at the hour of evening observation (9 p.m.) at Stations marked p. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.
 Information for Stations marked a is supplied by the Royal Meteorological Society, and that for Stations marked p is supplied by the Scottish Meteorological Society. Stations marked M or S are in connexion with one or other of the Societies, as well as with the Meteorological Office.
 Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.						
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).		No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.		
						Of Highest each day.	Of Lowest each day.	For whole of each day.		Above 42°	Below 42°										
0. SCOTLAND, N.	a, Islands.	p Baltasound	47	14th	40	16th	46.1	45.0	44.6	—	Day	Day	Ins.	Ins.	Hrs.	Hrs.	%	%	Baltasound.		
	b, Main-land.	a Sumburgh Head	51	16th	40	12th	48.9	42.4	45.8	+ 5.1	27	0	7	1.44	+ 0.40	0.4	—	—	Deerness.		
		a Stornoway	48	11th	35	16th	46.0	42.0	44.1	+ 3.8	15	0	7	0.98	+ 0.93	8.2	+ 2.1	19	+ 5	Stornoway.	
		a Castlebay, Barra Isd.	49	11th	42	15th	47.9	43.7	45.9	+ 3.0	27	0	7	1.33	—	9.0	—	20	—	Castlebay.	
		a Wick	48	11, 12, 13, 14	34	16th, 17th	46.7	40.9	43.9	+ 4.3	18	3	7	0.82	+ 0.15	*	—	—	Strathpeffer.		
		p Strathpeffer	49	11th	30	16th	45.6	38.3	42.1	+ 4.4	16	10	7	0.68	+ 0.08	4.1	—	2.6	9	—	Strathpeffer.
		p Glencarron	49	11th	34	16th	46.9	39.6	43.4	+ 5.5	20	7	6	0.99	+ 1.31	*	—	—	Fort Augustus.		
p Fort Augustus	49	11th, 13th	32	16th	47.2	39.6	43.6	+ 4.6	21	7	5	0.46	+ 0.79	1.0	—	1.0	2	—	Fort Augustus.		
p Fort William	51	11th	36	16th	47.8	40.9	44.5	+ 3.9	22	3	7	0.59	+ 1.63	*	—	—	—	—	Fort William.		
1. SCOTLAND, E. . .	a, Main-land.	p Gordon Castle	50	14th, 15th	38	16th, 17th	48.0	40.1	44.2	+ 5.1	23	5	6	0.55	+ 0.05	7.9	—	18	—	Gordon Castle.	
		a Nairn	50	11th	30	16th	46.6	38.4	42.7	+ 4.4	20	10	6	0.23	+ 0.27	8.7	—	19	—	Nairn.	
		a Aberdeen	48	11, 13, 14, 15	42	17th	47.1	44.1	45.7	+ 0.6	26	0	7	1.05	+ 0.39	2.7	—	6	—	Aberdeen.	
		a Balmoral	48	12, 15, 16th	37	12th	47.0	38.9	43.1	+ 7.8	21	9	7	1.01	+ 0.26	3.0	—	7	—	Balmoral.	
		p Crieff	48	17th	33	16th	46.1	38.0	42.7	+ 4.5	18	8	6	0.78	+ 0.18	2.9	—	6	—	Crieff.	
		a Leith	52	11th	38	16th	49.1	42.0	45.7	+ 5.6	26	0	5	0.46	+ 0.03	*	—	—	Edinburgh.		
		a West Linton	48	11th	34	16th	45.6	38.7	42.0	+ 4.6	8	9	6	0.95	—	4.2	—	9	—	West Linton.	
p Marchmont	48	13th, 15th	36	16th	45.9	39.7	42.9	+ 5.2	16	6	7	1.06	+ 0.47	2.3	—	5	—	Marchmont.			
2. ENGLAND, N.E.	a, North.	a Alnwick Castle	50	14th	37	13th	47.4	40.8	44.2	+ 4.6	20	3	7	1.38	+ 0.73	1.4	—	3	—	Alnwick Castle.	
		a Shields	51	13th, 14th	39	14th, 16th	48.9	40.7	45.0	+ 4.9	26	4	6	0.73	+ 0.29	1.6	—	3	—	Shields.	
		p Durham	49	15th, 16th	39	12, 13, 16, 17	47.8	40.9	44.5	+ 6.2	22	3	7	0.84	+ 0.41	2.2	—	4	—	Durham.	
		p Rounton	50	13th	39	16th	48.5	42.6	45.7	+ 7.4	26	0	7	1.27	+ 0.85	*	—	—	Rounton.		
		p Scarborough	52	13th, 17th	41	13th, 16th	50.4	42.9	46.8	+ 6.6	34	0	6	1.11	+ 0.61	0.6	—	1	—	Scarborough.	
		p York	52	14th	40	13th	50.1	43.6	47.0	+ 7.5	35	0	7	1.04	+ 0.61	1.8	—	4	—	York.	
		a Spurn Head	51	13th	41	12, 13, 16th	48.1	42.1	45.2	+ 4.6	22	0	6	0.82	+ 0.41	*	—	—	Spurn Head.		
b, South.	a Lincoln	54	16th	42	12, 13, 16, 17	50.3	43.0	46.8	+ 7.8	34	0	7	1.10	+ 0.67	9.1	—	18	—	Lincoln.		
	a Fulbeck	54	16th	42	12, 13, 16, 17	49.5	43.0	46.4	+ 8.1	31	0	6	1.04	+ 0.61	7.6	—	15	—	Fulbeck.		
	p Cromer	53	16th	41	13th, 16th	50.9	43.3	47.3	+ 8.6	37	0	6	1.84	+ 1.30	0.8	—	2	—	Cromer.		
	p Hillington	53	16th	43	16th	51.9	44.7	48.4	+ 8.5	45	0	5	1.40	+ 0.90	3.7	—	7	—	Hillington.		
	a Yarmouth	53	16th	41	16th	49.9	43.8	47.0	+ 7.8	35	0	6	1.49	—	*	—	—	Yarmouth.			
	a Norwich	53	16th	41	16th	52.3	44.4	48.5	+ 8.8	46	0	7	1.32	+ 0.84	6.4	—	4	—	Norwich.		
	p Geldeston	57	11th	43	13th	52.3	44.4	48.5	+ 8.8	46	0	7	1.32	+ 0.84	6.4	—	4	—	Geldeston.		
3. ENGLAND, E.	a, North.	p Cambridge	55	16th	41	16th	52.2	44.3	48.4	+ 9.2	45	0	7	1.28	+ 0.91	7.3	—	2	—	Cambridge.	
		a Felstead	53	16th	44	12th	49.7	45.6	47.7	+ 7.1	40	0	6	0.86	—	19.4	—	23	—	Felstead.	
		a Clacton-on-Sea	52	16th	43	16th	49.9	45.0	47.6	+ 7.3	39	0	6	0.72	—	9.1	—	17	—	Clacton.	
		a Rothamsted	54	16th	39	16th	50.9	43.9	47.5	+ 8.3	39	0	7	2.19	+ 1.64	3.8	—	6	—	Rothamsted.	
		a Shoeburyness	55	16th	43	13th, 16th	51.6	44.3	47.8	+ 6.9	41	0	6	0.71	+ 0.37	9.1	—	17	—	Shoeburyness.	
		p Tottenham	55	13th, 16th	45	16th	52.9	46.9	50.0	+ 10.0	56	0	7	1.20	—	2.1	—	4	—	Tottenham.	
		a Harrogate	49	15th	38	16th	47.5	41.4	44.6	+ 6.2	21	2	7	1.08	+ 0.50	2.8	—	6	—	Harrogate.	
b, South.	a Bawtry	52	16th	39	13th	49.1	41.7	45.6	+ 6.7	26	1	7	1.05	+ 0.62	3.0	—	4	—	Bawtry.		
	p Buxton	48	14, 15, 16th	38	16th	46.9	41.2	44.2	+ 7.3	19	2	7	2.46	+ 1.28	2.7	—	5	—	Buxton.		
	a Nottingham	54	16th	41	16th	50.7	43.4	47.2	+ 7.9	36	0	6	1.03	+ 0.55	8.6	—	19	—	Nottingham.		
	p Birmingham, Edgbn	52	16th	40	16th	49.2	42.5	46.0	+ 6.8	28	0	6	1.90	+ 1.37	4.8	—	—	Birmingham.			
	a Raunds	53	11th	40	16th	50.6	43.4	47.1	+ 8.2	36	0	6	1.69	—	*	—	—	Raunds.			
	a Oxford	54	16th	43	13th, 16th	51.3	45.0	48.3	+ 8.3	44	0	7	2.37	+ 1.90	5.9	—	3	—	Oxford.		
	a Cheddle	49	16th	39	13th, 17th	47.0	41.4	44.3	+ 6.1	19	2	7	1.69	+ 1.04	3.7	—	7	—	Cheddle.		
4. MIDLAND COUNTIES.	a, East.	p Shrewsbury	53	16th	41	13th	50.4	42.8	46.3	+ 5.5	34	0	7	1.64	—	*	—	—	Shrewsbury.		
		a Hereford	53	15th	41	16th	50.1	43.1	46.7	+ 7.0	33	0	5	2.65	+ 2.12	*	—	—	Hereford.		
		a Cirencester	54	16th	38	16th	50.9	40.9	46.1	+ 7.3	33	3	7	2.49	+ 1.89	6.7	—	2	—	Cirencester.	
		a Bath	55	15th, 16th	42	16th	52.9	45.6	49.4	+ 8.4	52	0	7	2.37	+ 1.09	8.2	—	15	—	Bath.	
		p Kew	54	16th	44	16th	52.1	45.7	49.0	+ 8.5	49	0	7	1.27	+ 0.82	6.4	—	2	—	Kew.	
		a Marlborough	55	15th	38	13th	51.0	42.4	46.9	+ 7.9	34	0	7	2.95	+ 2.28	4.5	—	3	—	Marlborough.	
		a Margate	55	16th	42	16th	52.3	45.0	48.8	+ 7.4	48	0	6	1.23	+ 0.76	6.9	—	3	—	Margate.	
b, West.	a Wisley, Surrey	55	15th, 16th	43	16th	52.0	46.1	49.3	+ 8.7	50	0	6	2.12	—	5.9	—	11	—	Wisley.		
	a Swarston	53	15th, 16th	41	16th	50.5	44.6	47.7	+ 8.2	40	0	7	3.25	+ 2.55	10.9	—	20	—	Swarston.		
	a Tunbridge Wells	53	15th, 16th	40	16th	50.3	43.8	47.2	+ 7.5	36	0	7	2.42	+ 1.75	3.9	—	6	—	Tunbridge Wells.		
	a Dungeness	54	15, 16, 17th	46	16th	53.3	48.0	50.8	+ 8.7	62	0	7	1.57	+ 1.07	8.1	—	15	—	Dungeness.		
	p Hastings	54	15th	43	16th	52.2	45.9	49.2	+ 7.2	50	0	7	1.18	+ 0.53	10.3	—	2	—	Hastings.		
	a Southampton	54	16th	44	16th	52.5	46.1	49.4	+ 7.3	52	0	7	2.89	+ 2.22	9.7	—	12	—	Southampton.		
	a Ventnor	54	16th	46	13th, 16th	52.2	47.4	49.9	+ 5.6	55	0	7	2.06	+ 1.39	10.0	—	18	—	Ventnor.		
5. ENGLAND, S.E.	a, East.	a Westminister	55	16th	44	16th	52.4	47.4	50.0	+ 9.4	56	0	7	1.15	+ 0.70	2.9	—	0	—	Westminister.	
		a Greenwich	55	16th	42	16th	52.1	45.6	49.0	+ 8.8	49	0	7	1.33	+ 0.89	6.7	—	12	—	Greenwich.	
		a Poltalloch	47	11, 15, 17th	38	16th	45.7	41.7	43.8	+ 3.3	14	1	7	1.64	+ 0.39	*	—	—	Poltalloch.		
		p Glasgow	50	11th	38	16th	47.8	42.6	45.3	+ 5.2	23	0	6	0.96	+ 0.06	1.9	—	4	—	Glasgow.	
		p Rothesay	49	11, 12, 15th	39	15th, 16th	48.0	42.4	45												

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.		Grass Min.		Mean Earth Temp.		STATION.		Grass Min.		Mean Earth Temp.		STATION.		Grass Min.		Mean Earth Temp.			
		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.			No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.			No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		
0.	Baltasound	—	—	43·0	—	4.	Harrogate	0	34	42·3	42·3	6.	Dumfries	0	35	42·1	42·7		
	—	—	—	—	—		Huddersfield	0	32	41·9	42·6		7.	Douglas	0	36	—	—	
	—	—	—	—	—		Buxton	3	29	41·9	43·0			Aspatia	0	32	42·8	44·0	
1.	Aberdeen	—	—	—	43·0	5.	Sheffield	0	31	42·8	43·8	Newton Rigg			0	33	43·7	43·1	
	Crathes	0	37	42·5	42·0		6.	Nottingham	0	34	43·6		42·8		Burnley	0	36	42·5	43·0
	Balmoral	0	33	—	—			7.	Birmingham	0	36		44·3	45·3		Southport	0	32	42·9	43·1
2.	West Linton	1	32	—	—	8.			Oxford	0	—	—	—	Manchester City			0	40	43·4	44·2
	Marchmont	0	32	40·4	—		9.		Hereford	0	34	—	—		Bettws-y-Coed		0	38	44·6	45·0
	Cockle Park	0	33	41·8	42·1			10.	Cirencester	0	33	44·0	44·9			Llangamarch Wells	3	26	44·5	46·0
3.	Durham	0	35	—	—	11.			Bath	—	—	45·7	46·5	Cardiff			0	37	44·5	45·3
	York	—	—	13·5	44·3		12.		Margate	0	40	45·9	46·2		Clifton		0	32	—
	Hull	0	36	43·3	44·0			13.	Greenwich	0	34	—	—			Plymouth	0	36	48·2
4.	Lincoln	—	—	42·7	43·4	14.			Westminster	0	36	—	—	15.			Armagh	0	33	43·9	45·5
	Rauceby	0	31	44·1	45·0		15.		Kew	0	33	45·4	45·8		16.		Markree	0	35	44·1	46·5
	Norwich	0	33	—	—			16.	Canterbury	0	40	45·7	45·7			17.	Dublin, Trin. Coll.	0	31	44·6	45·9
5.	Yarmouth	—	—	43·7	45·3	17.			Tunbridge Wells	1	29	45·1	—	18.			Guernsey, Brooklyn	0	42	48·5	49·3
	Lowestoft	0	37	44·7	45·8		18.		Wisley	0	36	45·5	46·1		19.		—	—	—
	Cambridge	0	33	44·4	45·4			19.	Worthing	0	40	46·8	47·5			20.	—	—	—
6.	Clacton-on-Sea	0	32	45·6	47·6	20.			Portsmouth	0	40	47·3	48·1	21.			—	—	—
	Southend	0	33	45·3	—		21.		Glasgow	0	33	—	—		22.		—	—	—
	Tottenham	0	37	—	—			22.	Rothersey	—	—	—	43·8			23.	—	—	—
7.	—	—	—	—	—	23.			Coimonell	0	35	—	—	24.			—	—	—
	—	—	—	—	—		24.		—	—	—	—	—		25.		—	—	—
	—	—	—	—	—			25.	—	—	—	—	—			26.	—	—	—

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	45	45	45.0	SCOTLAND, W.	Lamlash	48	47	47.1
	Kirkwall	45	44	44.3		Ballastraæ	46	45	45.5
	Wick	?	?	?	ENGLAND, N.W.	Port Erin	50	48	48.5
	Cromarty	45	41	41.9		Newquay	49	48	48.5
SCOTLAND, E.	Pennan Bay	44	41	42.1	ENGLAND, S.W.	Scilly	50	49	49.6
	Aberdeen, Cove Bay	46	46	46.0		Plymouth†	50	50	50.2
ENGLAND, N.E.	Burnmouth, Berwick	44	44	44.0		Salcombe	51	49	49.9
	Scarborough	46	44	44.7	IRELAND, N.W.	Sheephaven	47	45	45.9
ENGLAND, E.	Shipwash Lightship	48	45	45.9		Teelin	48	45	46.4
	Margate	48	46	46.8	IRELAND, S.W.	Cleggan	46	44	44.5
ENGLAND, S.E.	Eastbourne†	49	48	48.4	IRELAND, E.	Seafield	48	46	46.8
							—	—	—

‡ Only one observation each day.

CORRECTIONS AND ADDITIONS FOR NOVEMBER, 1910.

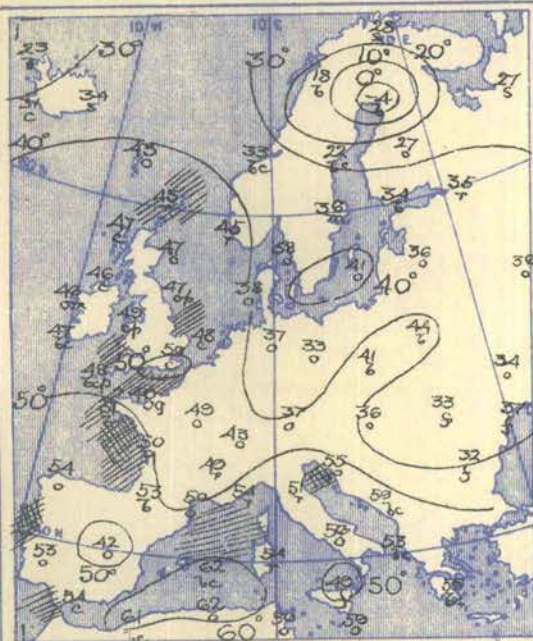
NOTE.—Corrections are not included in this list unless the values previously published are altered by at least 2° in the case of Extreme Temperature, 0°·5 in the case of Mean Temperature, and to the extent of at least 5 per cent. of the amount of Rainfall or Sunshine.
All corrections are incorporated in the results issued in the Monthly Summary.

[illegible]

Sunday, 11th December, 1910.

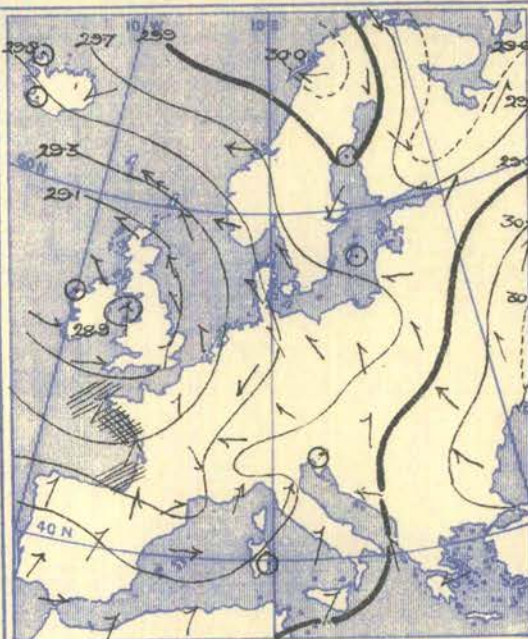
Temperature and Weather.

7 a.m.

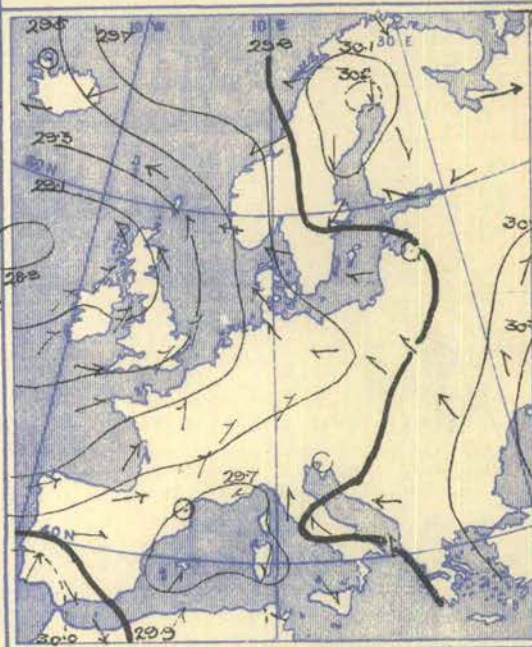


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning variable in these Islands; rainy at some stations and only partly overcast in others. Very rainy over the south-east of France and the northern half of Italy, as well as at some other places in the south of our area. Rain or snow falling in a few northern localities, and much cloud prevalent over the Continent as a whole. Rain later over the United Kingdom, France and southern Europe, and also in Algeria. Amounts slight or moderate in this country, but more than an inch at Lugano, nearly as much at Gap and Cape de Garde, and 1.4 in. at Florence.

Temperature changed rather irregularly, but fallen in most parts of the Continent. Morning readings ranging from about 60° on the coast of Algeria and at Palma and 50° in the south-east of England to below 40° on the Continent generally, and to much below 32° in the north of Scandinavia. Lowest value—4° at Haparanda. Maxima during day 50° or a little higher over a large proportion of this country and the adjacent part of the Continent, and also at some Austrian stations; above 60° in the Mediterranean region. Minima at night 45° or above in many parts of these Islands.

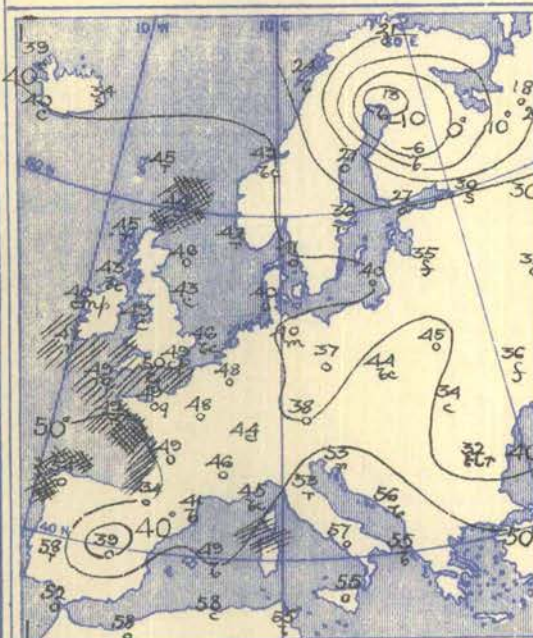
Wind in morning cyclonic over the United Kingdom and southern and western Europe. Easterly current blowing a gale at Thorshavn and a strong breeze at Skudesnaes, but force moderate generally. Little change of a general character later in day; veering somewhat over the Channel, but backing in Ireland.

Barometer in morning above 30.3 ins. in a large anticyclone over the southern half of Russia and relatively high in the north of Norway; below 29.6 ins. in a depression extending over Finland from the northward, and below 28.9 ins. in a well-marked system centred over the Irish Sea. Finnish depression disappearing by evening and that over the Irish Sea moving northward slowly and becoming merged in a deeper minimum advancing on Ireland from the Atlantic.

Monday, 12th December, 1910.

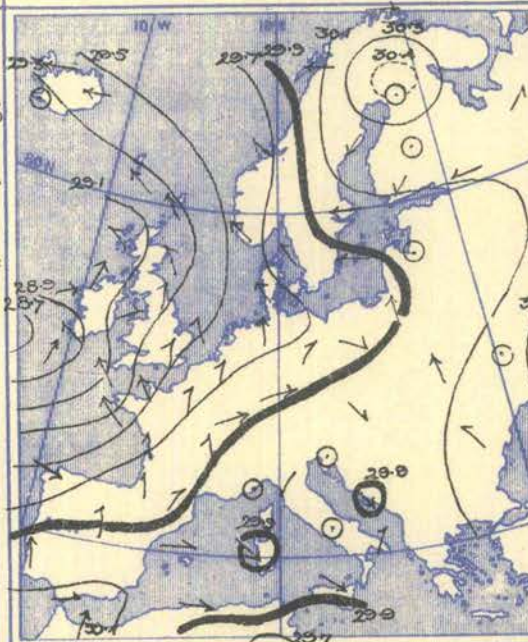
Temperature and Weather.

7 a.m.

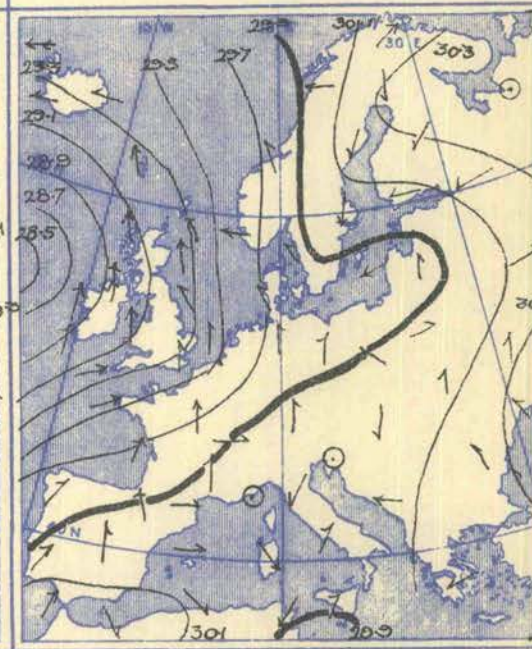


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in various parts of these Islands, France, and the Spanish Peninsula, as well as in the north of Italy and at some stations in the Baltic region. Generally very cloudy or overcast elsewhere, but fair in places. Rain experienced throughout this country and over a large area on the Continent later; nearly an inch at Selly, and about 0.5 in. at some of our other stations, as well as in France. A thunderstorm occurring at Brest.

Temperature fallen quickly in the north of the Continent, changed little and rather irregularly in most other regions. Morning readings ranging from 55° or slightly higher over the Mediterranean and 50° in the south of England to below 32° in Sweden, Finland, and northern Russia; lowest readings, 14° at Uleaborg. Rising later to 70° at Sfax, 68° at Malta, 64° at Leghorn, and to above 60° at many other southern stations. Thermometer remaining below 50° at several places in central Europe, but exceeding it in the south and south-west of this country.

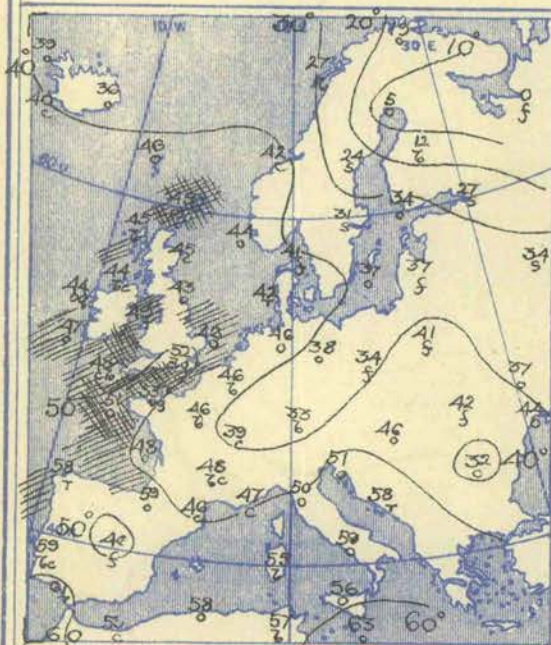
Wind in morning anticyclonic over the northern regions of the Continent, cyclonic elsewhere. Southerly current fresh to high over the Bay of Biscay and the south and south-west of these Islands, a South-Easterly gale blowing at Skudesnaes, and an Easterly gale at Isafjord. A strong breeze from North-West prevailing at Pesaro, but little force in the south as a whole. Veering to the South-Westward by evening in the south of England and continuing strong to high. Gale subsiding at Skudesnaes.

Barometer in morning above 30.4 ins. in a high-pressure system centred in the north of Finland and also in another over southern Russia. Low in a very large depression extending over these Islands and their vicinity from the Atlantic; readings about 28.0 ins. in lat. 50° N. long 21° W. Relatively low in smaller disturbances in the south of our area and in North Germany. Atlantic depression continuing to spread over the United Kingdom during day, but not much change occurring in the general distribution of pressure. North German disturbance becoming more clearly defined.

Tuesday, 13th December, 1910.

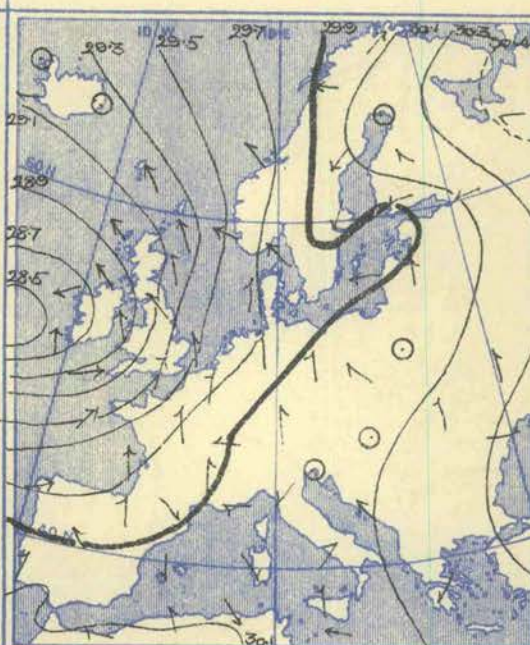
Temperature and Weather.

7 a.m.

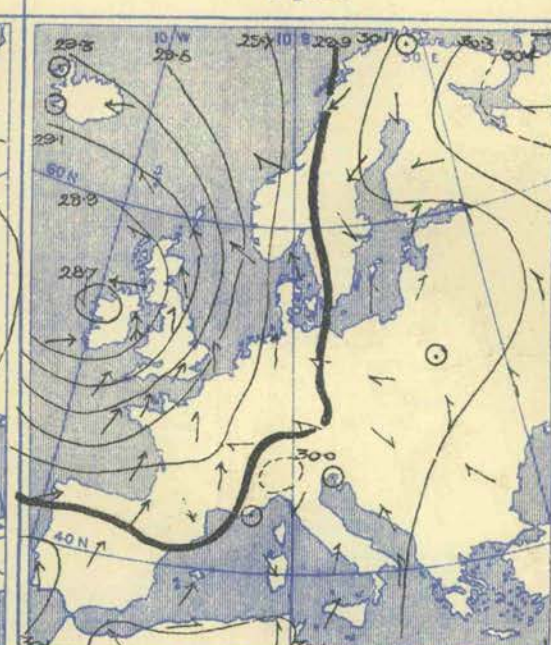


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair or fine in a few localities both in the north and south, but very cloudy or overcast generally, with rain at some of our own stations and in Brittany, as well as on the shores of the Adriatic and at San Fernando. Snow falling in some parts of Sweden. Rain experienced later in considerable quantities in these Islands and in large amounts in many regions on the Continent; 0.6 in. at Portland Bill and 0.8 in. and 1.1 in. respectively at Turin and Nice.

Temperature risen in Finland, changed little or fallen in most other regions. Morning readings ranging from 63° at Malta and above 55° at some other extreme southern stations to below 40° generally on the Continent, and to about zero in the north of Finland and at Archangel. Rising to about 65° at various places in the south of our area during day, but remaining below 50° in the central countries and also at Turin. Maxima in these Islands above 50° in many localities. Intense frost continuing in northern Sweden.

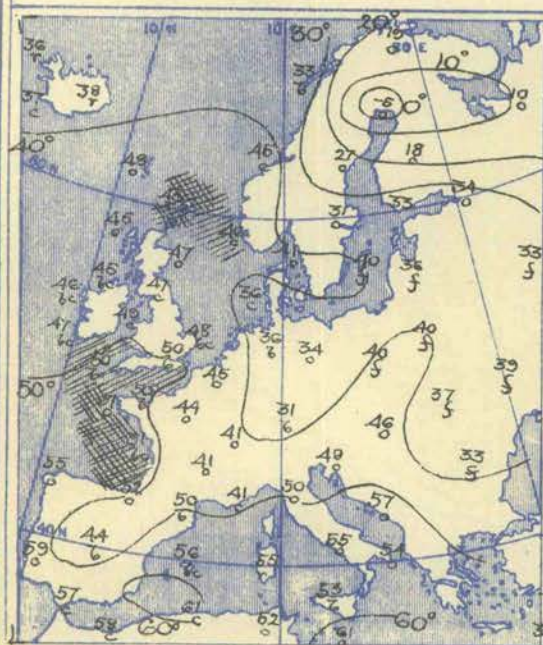
Wind in morning strong to a gale from the South-Westward over the Bay of Biscay and from the Southward in England; moderate from South-East in Scotland, and strong to a gale from that direction on the south-west coast of Norway. Little force elsewhere; direction mainly Southerly over Russia and central Europe. No change of importance later in day.

Barometer in morning ranging from above 30.4 ins. in the north and south of Russia to below 28.6 ins. in a large depression having its minimum off the west coast of Ireland. Relatively low over the Baltic and also in the neighbourhood of Rome. Centre of depression travelling on to Ireland by evening and gradient increasing over these Islands generally and also over the North Sea. Baltic disturbance extending Eastward to the Gulf of Finland, but high pressure being maintained in the north and south of Russia with little modification.

Wednesday, 14th December, 1910.

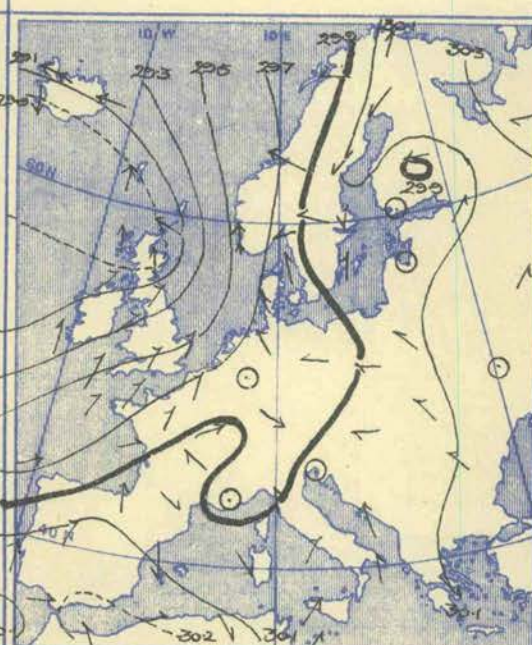
Temperature and Weather.

7 a.m.

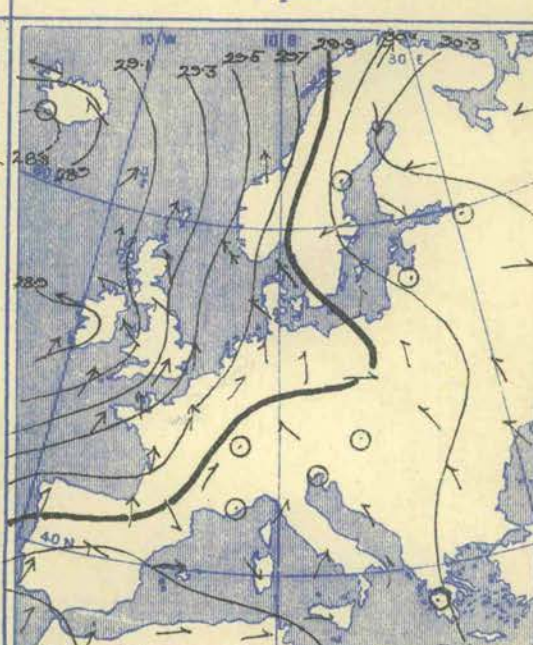


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning cloudy or dull generally, but fair in a few widely separated localities. Snow falling in the Gulf of Finland and rain in the north of Scotland, at Turin, Cagliari, and Oporto. Rain becoming very general later in these Islands and France and also over a considerable portion of central and southern Europe; about an inch at Rochefort and Oxford, and more than 0.5 in. in various other places in this country and France.

Temperature fallen on most shores of the Mediterranean, changed somewhat irregularly as a whole. Morning readings ranging from -5° at Haparanda and below 20° over a large district in the north-east of the Continent to about 50° in many parts of these Islands and the west of France and to about 60° at some isolated spots on the Mediterranean. Rising later to 72° at Stax, above 65° at many places in the far south. Remaining below 50° in the central countries and the east of France, and only touching 52° at Nice. Severe frost continuing all day in the extreme north of the Continent.

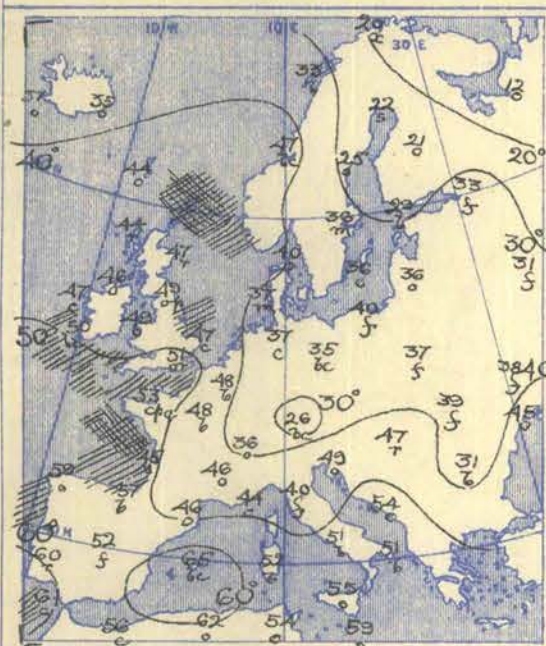
Wind in morning fresh to strong or high from between South and South-West over these Islands and the adjacent portion of the Continent and strong to a gale from South on the south-west coast of Norway; drawing into East at Iceland, and blowing a gale at Isafjord. Fresh or strong from the North-Westward on some shores of the Mediterranean, but of little force in that region generally. Increasing to a gale from South by evening on the south coast of England; gale continuing from South-East at Skudesnaes.

Barometer in morning low to the westward and north-westward of this country; below 29.0 ins. between Scotland and Iceland. Relatively low in shallow depressions over the Riviera and Finland, and high in the north-east, south-east, and south of our area. Western low pressure system extending over these Islands during day, and barometric gradient increasing over England and the north of France. Small disturbances on the Continent disappearing.

Thursday, 15th December, 1910.

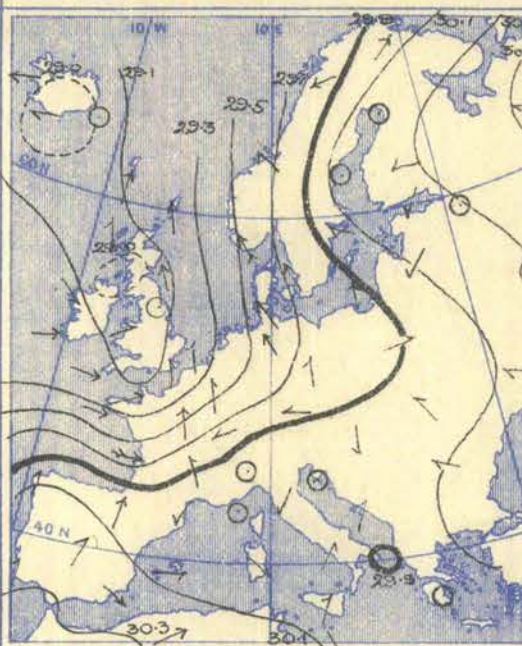
Temperature and Weather.

7 a.m.

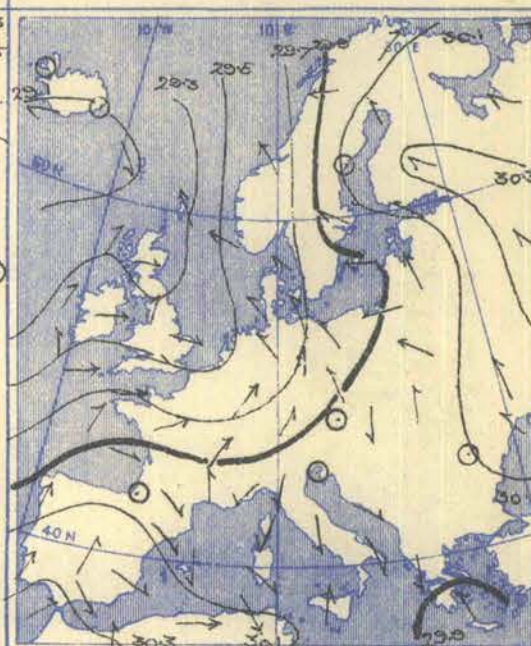


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to fine in some scattered localities, but very cloudy or overcast generally, with rain in several parts of the United Kingdom and the nearer countries of the Continent, as well as at Lisbon and Buda-Pesth, and snow at Haparanda. Rain falling very generally in this country and its neighbourhood later, the amount being large in many places. About 1.0 in. in the south of Ireland, and 0.5 in. at various places in the west and south of Great Britain, as well as in the west of France.

Temperature showing no regular change; risen quickly in the north of Sweden. Morning readings ranging from 65° at Palma, 60° at Lisbon, above 55° at several other southern stations, and about 50° in the south of these Islands to below 40° over the major portion of the Continent, and to 20° or below in the north of Russia. Rising to above 50° at many of our own stations during day and to above 60° at some in the south of France; exceeding 60° at several Mediterranean stations. Maxima rather lower than of late in Scotland, thermometer touching 30° at Nairn. Frost continuing throughout the day at Haparanda.

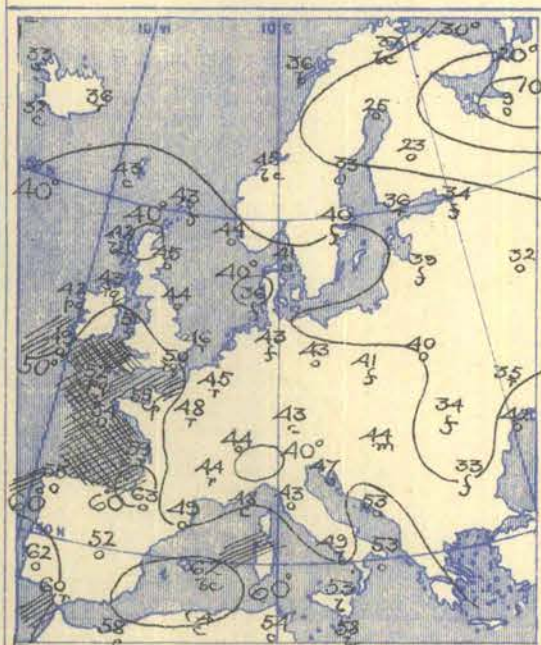
Wind in morning moderate to high from the North-Westward on our south-west coasts, and from the Westward over the Bay of Biscay; strong from the Southward in the south-east of England and over most of the North Sea region, with a gale at Skudesnaes. Light and rather variable over the Continent as a whole, but high from South-West at Vardö. Backing to the Southward by evening in the west of Ireland, and to the Westward on our west and south-west coasts generally. Increasing greatly in force in those regions during night.

Barometer in morning above 30.5 ins. in the far north of Russia and above 30.3 ins. in the extreme south-west of our area; below 29.1 ins. in an elongated disturbance containing two minima extending from beyond Iceland to the English Channel. Another depression of great depth approaching our western coasts later in day and extending over our western districts during night.

Friday, 16th December, 1910.

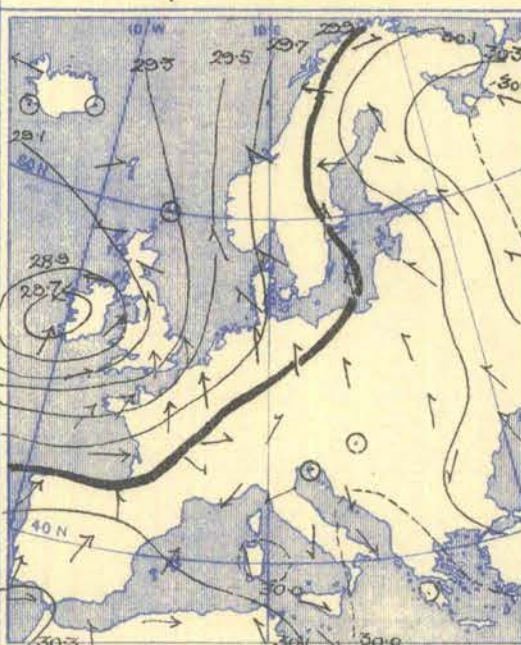
Temperature and Weather.

7 a.m.

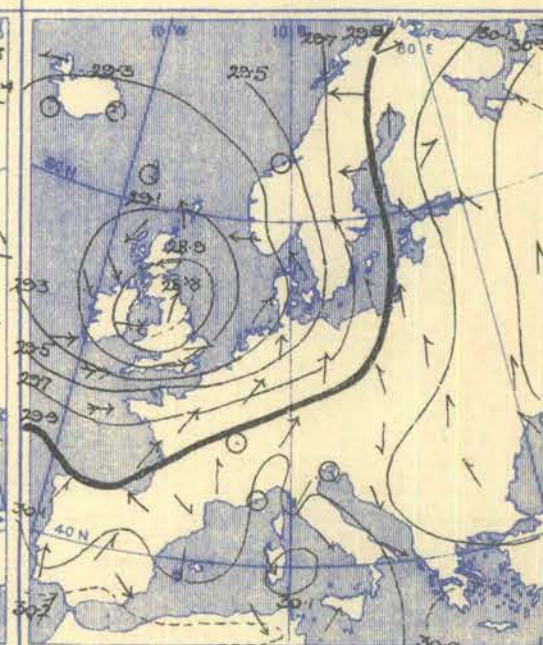


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rough and rainy over the greater part of these Islands and France. Rain also falling in some places in Russia and at Oporto and San Fernando. Much cloud prevalent in almost all other regions. Rain experienced later over the major portion of our area, but Italy, the Riviera, and Algeria remaining dry. Measurements more than 0.5 in. in many localities.

Temperature continuing above the normal very generally. Morning readings 64° at Algiers and about 60° at some other stations in the far south, and also in the south-west of France; about 50° in the south and south-west of these Islands, and as high as 55° at Bath and Jersey. Above 32° except in the north and north-east of the Continent; as low as 9° at Archangel. Rising to 55° in London during day and to 57° at Jersey, but remaining below 50° at nearly all stations in the central countries of Europe and in the north of Italy. Maxima about 70° in Algeria and above 60° on many shores of the Mediterranean.

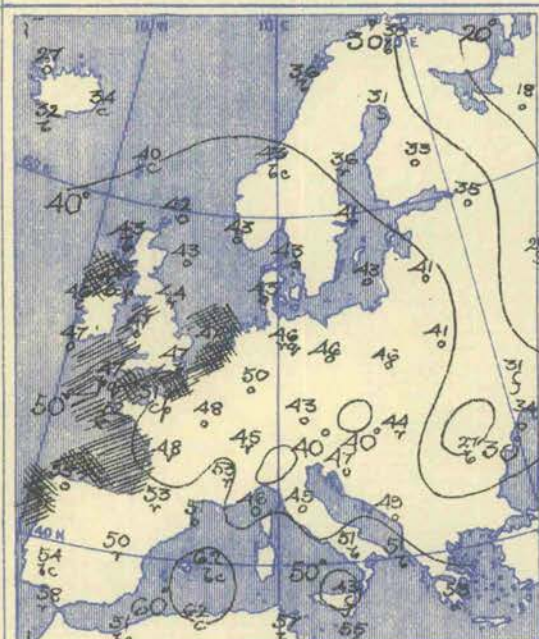
Wind in morning showing a very extensive cyclonic circulation over these Islands and the western countries of the Continent. South-Westerly to Southerly current strong to a gale over the Bay of Biscay, France, and the southern half of the United Kingdom. South-Easterly current light or moderate in Scotland, and light to fresh or strong in Scandinavia. Increasing to a "whole gale" or "storm" later on some parts of our south and south-west coasts and to a gale from the North-Westward on the north coast of Ireland. Blowing a gale from South-West in the Netherlands and from East in the south of Norway. A strong breeze from the North-West on some shores of the Mediterranean.

Barometer in morning below 28.7 ins. in a depression centred over the west of Ireland; above 30.4 ins. over a considerable part of Russia, and relatively high in Algeria and Morocco. Depression moving Eastward during day and gradient increasing in Ireland, England, the north of France, and over northern Europe generally. Depression subsequently moving North-Eastward to the North Sea and becoming less deep. Barometric rise in its rear very rapid over Ireland.

Saturday, 17th December, 1910.

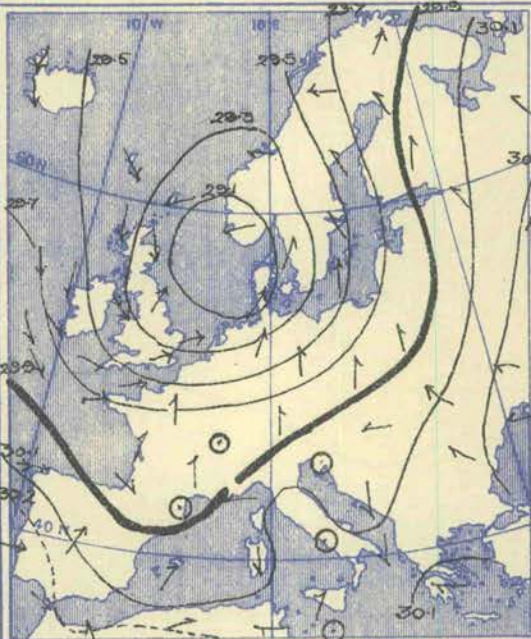
Temperature and Weather.

7 a.m.

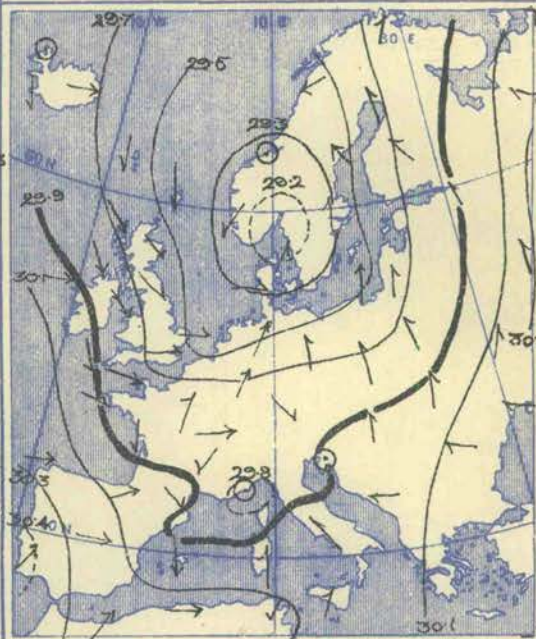


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in some English localities and over a large area in France and northern Europe, as well as at Buda-Pesth and at some stations in the Spanish Peninsula. Fair to very fine at various places on the shores of the Mediterranean. Rain experienced later over these Islands and in most parts of the Continent; amounts more than an inch in the west and south-east of France.

Temperature changed rather irregularly. Morning readings ranging from about 50° in many parts of southern Europe, to about 45° at many places in these Islands, and to below 32° over most of Russia; lowest value, 18° at Archangel. Maxima during day about 50° in various parts of this country and its immediate neighbourhood, above 60° in the extreme south of Europe, and 70° on the coast of Algeria. Thermometer touching 50° at some stations in central Europe, but only rising to 41° at Turin.

Wind in morning cyclonic over nearly the whole of our area, the North-Westerly current blowing a gale on out north-west coasts, and that from the South-Westward a strong breeze or high wind on the Channel and the adjacent shores. A strong wind from West prevailing on the coast of Portugal, and a gale at Corunna. Gale continuing all day at Holyhead, but force decreasing generally. Becoming more northerly in the west of these Islands, and North-Westerly in the east and south-east. A high wind from North or North-West setting in in some parts of Spain.

Barometer in morning below 29.0 ins. in a depression having its minimum over the North Sea at no great distance from the south coast of Norway. Above 30.5 ins. in the region of the Azores, and above 30.8 ins. in Russia. Depression travelling rather slowly Eastward during day and decreasing in depth, and pressure increasing very briskly over the United Kingdom. Not much change occurring in the general distribution; a slight further rise taking place in the Azores.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90° = E, 180° = S, 270° = W, and 360° = N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1910.												
1	Dec. 11th, 10.0 a.m. to 11.30 a.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	282.5° 92% 225°, 5.4	280.8° 92% 220°, 8	?° 92% ?	274° 92% 240°, 8.9				} 700	{ Overcast St.-Cu. Lowest cloud 400 m. Wind direction by wire.
2	Dec. 12th, 9.40 a.m. to 10.20 a.m.	Pyrtton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	281° 100% 160°, 7	280.5° 100% 170°, 10	279.5° 100% 180°, 17				279° 100% 190°, 19		
3	Dec. 16th, 11.0 a.m. to 12.40 p.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	283° 100% 270°, 6.7	?° ?% ?	280.2° 100% 320°, 17				278.5° 100% 320°, 17	} 645	{ Overcast Fr.-Cu. to clear sky. Lowest clouds about 500 m. Wind at descent 15 m.p.s.
4	Dec. 15th, 11.15 a.m. to 12.10 p.m.	Pyrtton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	283° 100% 280°, 7	282.5° 100% 290°, 14	280° 100% 305°, 15	277.5° 100% 315°, 16			276.5° 100% 315°, 16		
5	Dec. 17th, 9.45 a.m. to 11.20 a.m.	Brighton, 115 m.	{ Temperature Humidity .. Wind	281.3° 92% 270°, 13.4	278.5° 95% 280°, 14.8	275.2° 100% 310°, 17.9					} 1,200	{ Clear sky to overcast Ni., and driving rain showers. No clouds reached. Frequent gusts to 23 m.p.s. at 500 m.
6	Dec. 17th, 10.5 a.m. to 10.40 a.m.	Pyrtton Hill, Oxon, 150 m.	{ Temperature Humidity .. Wind	279° 80% 250°, —	278.5° 85% 250° —	277.5° 95% 270°, —	276° 100% 280°, —			275° 100% 285°, —		

APPARATUS USED IN THE KITE ASCENTS.

No. of Ascent.	1	2	3	4	5	6
No. of Kites ..	1	1	1	1	1	1
Area of Surface (sq. metres) ..	4.5	6	4.5	6	4.5	4
Length of Wire (metres) ..	1,500	650	700	1,500	760	1,200

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,
AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD.,
116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR. } No. 51. FIFTY-FIRST WEEK, SUNDAY, DECEMBER 18TH, TO SATURDAY, DECEMBER 24TH, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather was much drier than during the earlier part of the month, except in Scotland N., but small quantities of rain were registered on several days in most parts of the Kingdom.

Temperature continued above the average, the excess ranging between 4° and 6° in most districts, but was less than 1° in the English Channel. The highest of the maxima were recorded generally on the 23rd or 24th, and varied from 57° in Scotland E., the Midland Counties, and Ireland S., to 53° in Scotland W. The lowest of the minima, which occurred during the earlier half of the week, were above 32° over the Kingdom as a whole. Slight frost was recorded locally the lowest shade minimum being 27° at Swarraton. The lowest grass readings were 20° at Llangammarch Wells, 22° at Tunbridge Wells, 23° at Kew and 24° at Cambridge.

Mean Temperature of the Sea. On all parts of the coast the water was warmer than during the corresponding week of last year. In most instances the divergence was considerable, amounting at Kirkwall and the Shipwash to 6°. The values ranged from about 50° on the extreme south-west coast of England to 44° at Kirkwall and Scarborough, and to 41° at Pennan Bay.

Rainfall exceeded the average in Scotland N., but was below it in all other districts; in England N.E. the fall was very slight, at Scarborough only 0·02 inch.

Bright Sunshine was more than the normal generally, equal to it in England S.E. and S.W., and rather less in the English Channel. The percentage of the possible duration ranged from 35 in Scotland E. to 18 in England S.W., and to 11 in Scotland N.

Barometer and Wind.—Barometric pressure was highest in an anticyclonic band of varying form and intensity, which generally extended from the region of the Azores to the Bay of Biscay or south Germany. Except some secondaries, no depressions passed over these Islands, but large systems moving eastward in the far north produced steep South-Westerly to North-Westerly gradients over this country at times, and fresh to high winds from these points were of frequent occurrence. Several parts of the coasts, mostly in the west and north-west, experienced gales, but towards the end of the week a gale from West to North-West was rather general.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 412.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with aver- age for the time of year	Warmth ...	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Heavy	Moderate	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Light	Moderate	Moderate
	Sunshine ...	Abundant	Very abundant	Abundant	Moderate	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 3 weeks from Dec. 4th, 1910.	Warmth ...												
		3 * 0	3 * 0	3 * 0	3 * 0	3 * 0	3 * 0	2 * 0	3 * 0	3 * 0	3 * 0	1 * 0	3 * 0
		1 * 2	0 * 0	1 * 1	1 * 0	2 * 0	2 * 0	2 * 0	1 * 0	2 * 0	1 * 1	2 * 1	2 * 0
	Rainfall ...	1 * 0	1 * 1	1 * 2	0 * 2	0 * 1	0 * 1	1 * 2	1 * 1	0 * 1	1 * 1	0 * 2	0 * 0

PAST SEASONS.

WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
		4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
		10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
		5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
		6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
		4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
		5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6
AUTUMN, 1910. Sept. 4th-Dec. 3rd. 13 weeks.	Warmth ...	2 * 5	2 * 5	5 * 8	5 * 6	3 * 7	4 * 8	3 * 5	3 * 8	3 * 7	4 * 4	3 * 6	3 * 6
		3 * 9	3 * 7	3 * 8	5 * 5	4 * 3	5 * 4	1 * 6	4 * 7	4 * 5	2 * 8	2 * 7	6 * 4
		7 * 1	6 * 3	6 * 5	2 * 6	2 * 6	5 * 6	4 * 3	5 * 2	5 * 6	5 * 3	2 * 4	1 * 6

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FIFTY-FIRST WEEK—December 18th to December 24th, 1910.																		
DISTRICTS. (See Frontispiece, map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (25 Yrs.)	Above 42°	Difference from Av. (25 Yrs.)	Below 42°	Difference from Av. (25 Yrs.)								
0. SCOTLAND, NORTH	54	31	48.0	38.2	43.3	+ 4.6	Day-deg. 25	Day-deg. + 17	Day-deg. 11	Day-deg. - 20	7	+ 2	Inches. 2.33	Inches. +1.13	5	+ 1	% 11	+ 2
Eastern																		
1. SCOTLAND, EAST	57	28	49.0	37.1	43.3	+ 6.0	30	+ 23	14	- 27	5	+ 2	0.37	- 0.20	16	+ 10	35	+22
2. ENGLAND, N.E.	56	33	49.3	37.5	43.6	+ 5.1	30	+ 22	13	- 20	3	- 1	0.08	- 0.41	12	+ 4	24	+ 8
3. ENGLAND, EAST	54	30	48.9	36.3	42.9	+ 4.8	30	+ 22	16	- 22	5	+ 2	0.25	- 0.10	12	+ 3	23	+ 5
4. MIDLAND COUNTIES	57	29	49.2	37.5	43.6	+ 5.6	30	+ 21	13	- 26	5	+ 2	0.34	- 0.12	10	+ 2	19	+ 4
5. ENGLAND, S.E.	55	27	49.7	38.0	44.1	+ 3.9	32	+ 18	11	- 16	3	0	0.31	- 0.17	10	0	19	0
Western																		
6. SCOTLAND, WEST	53	33	48.6	40.6	44.8	+ 4.8	25	+ 14	4	- 22	7	+ 3	1.06	- 0.04	13	+ 6	26	+13
7. ENGLAND, N.W.	56	33	49.1	40.7	45.1	+ 5.4	27	+ 16	4	- 23	5	+ 2	0.51	- 0.14	12	+ 5	24	+11
8. ENGLAND, S.W.	55	28	49.8	41.1	45.7	+ 3.8	30	+ 12	3	- 15	6	+ 2	0.59	- 0.32	10	0	18	0
9. IRELAND, NORTH	54	34	49.9	40.5	45.4	+ 4.5	30	+ 17	4	- 18	6	+ 1	0.52	- 0.29	12	+ 4	24	+ 8
10. IRELAND, SOUTH	57	32	51.1	40.7	46.1	+ 3.4	34	+ 12	4	- 13	6	+ 2	0.51	- 0.50	13	+ 2	24	+ 5
11. ENGLISH CHANNEL	54	36	51.3	44.2	47.9	+ 0.9	41	+ 11	0	- 5	6	+ 1	0.47	- 0.27	11	- 2	19	- 4
THE SEASON (Winter).—Aggregates, &c., for the Period of 3 Weeks, December 4th to December 24th, 1910.																		
0. SCOTLAND, NORTH	54	30	*	*	*	*	65	+ 38	23	- 65	20	+ 4	3.69	- 0.47	11	- 2	8	- 2
Eastern																		
1. SCOTLAND, EAST	57	28	*	*	*	*	68	+ 44	29	- 84	17	+ 4	2.05	+ 0.02	23	+ 2	16	+ 1
2. ENGLAND, N.E.	56	33	*	*	*	*	78	+ 50	18	- 71	15	+ 4	1.52	- 0.10	20	- 6	13	- 4
3. ENGLAND, EAST	57	30	*	*	*	*	102	+ 71	16	- 86	16	+ 4	2.15	+ 0.30	23	- 6	15	- 4
4. MIDLAND COUNTIES	57	29	*	*	*	*	89	+ 56	17	- 89	19	+ 8	3.01	+ 1.41	18	- 7	11	- 4
5. ENGLAND, S.E.	55	27	*	*	*	*	119	+ 69	11	- 60	16	+ 4	3.49	+ 1.70	23	- 8	14	- 5
Western																		
6. SCOTLAND, WEST	53	32	*	*	*	*	67	+ 28	9	- 58	21	+ 7	4.56	+ 0.86	17	- 4	11	- 2
7. ENGLAND, N.W.	57	32	*	*	*	*	80	+ 41	7	- 63	19	+ 6	3.13	+ 0.79	21	- 1	14	- 1
8. ENGLAND, S.W.	55	28	*	*	*	*	105	+ 42	3	- 46	20	+ 6	5.78	+ 2.65	23	- 8	14	- 5
9. IRELAND, NORTH	54	30	*	*	*	*	75	+ 33	16	- 48	19	+ 3	2.57	- 0.03	21	- 6	14	- 4
10. IRELAND, SOUTH	57	31	*	*	*	*	91	+ 21	8	- 40	20	+ 6	3.34	+ 0.79	24	- 9	15	- 5
11. ENGLISH CHANNEL	57	36	*	*	*	*	154	+ 53	0	- 12	19	+ 4	3.52	+ 0.79	36	- 3	21	- 2
THE YEAR.—Aggregates, &c., for the Period of 51 Weeks, January 2nd to December 24th, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	2146	+ 41	812	+ 50	239	- 3	48.31	- 2.86	1178	+ 73	27	+ 2
Eastern																		
1. SCOTLAND, EAST	80	-10	*	*	*	*	2237	- 110	885	0	207	+ 8	32.18	+ 2.02	1314	+ 10	30	0
2. ENGLAND, N.E.	81	6	*	*	*	*	2731	+ 97	653	+ 4	191	+ 10	24.97	+ 0.60	1346	- 93	31	- 2
3. ENGLAND, EAST	83	17	*	*	*	*	3144	+ 105	556	- 167	195	+ 20	27.05	+ 3.92	1465	- 103	34	- 2
4. MIDLAND COUNTIES	83	10	*	*	*	*	2950	- 3	677	- 80	196	+ 23	30.68	+ 4.96	1320	- 74	30	- 2
5. ENGLAND, S.E.	81	13	*	*	*	*	3260	- 57	448	- 71	192	+ 24	31.83	+ 5.44	1516	- 71	35	- 2
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	2595	+ 22	621	+ 47	214	+ 5	47.00	- 0.06	1351	- 3	31	0
7. ENGLAND, N.W.	81	7	*	*	*	*	2788	- 26	487	- 31	218	+ 25	38.41	+ 4.30	1434	+ 59	33	+ 1
8. ENGLAND, S.W.	81	8	*	*	*	*	3079	- 97	336	- 65	214	+ 21	45.25	+ 7.54	1522	- 29	35	- 1
9. IRELAND, NORTH	79	7	*	*	*	*	2700	+ 9	485	+ 5	233	+ 5	38.67	+ 1.20	1285	+ 12	36	0
10. IRELAND, SOUTH	79	18	*	*	*	*	3090	- 41	359	- 8	246	+ 43	42.72	+ 3.59	1355	- 82	31	- 2
11. ENGLISH CHANNEL	79	28	*	*	*	*	3681	- 83	57	- 68	219	+ 12	41.58	+ 9.69	1723	- 161	40	- 3

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right. The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

DISTRICTS.		NAMES OF STATIONS.	Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.				NAMES OF STATIONS.
			Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.		
							Of Highest each day.	Of Lowest each day.	For whole of each day.										Above 42°.		Below 42°.
										Day.	Day.									
0. SCOTLAND, N.	a, Islands.	p Baltasound	52	23rd	34	24th	45.1	36.1	40.8	—	—	7	0.87	—	7	—	6	—	Baltasound.	
		a Sumburgh Head	52	19, 21, 23rd	35	18th	49.6	38.1	44.1	+ 3.9	31	11	7	0.94	- 0.10	5.8	- 0.0	14	0	Deerness.
		a Stornoway	52	23rd	36	19th, 20th	47.6	39.4	43.7	+ 3.9	23	7	7	2.09	+ 0.64	4.6	- 0.7	11	- 2	Stornoway.
		a Castlebay, Barra Isd.	51	23rd	41	20th	49.0	42.3	45.8	+ 3.3	27	0	7	0.87	—	8.2	—	18	—	Castlebay.
		a Wick	54	23rd	34	18th, 20th	46.6	37.0	42.0	+ 3.9	13	14	7	0.84	+ 0.17	—	—	—	—	Strathpeffer.
1. SCOTLAND, E.	b, Main-land.	p Strathpeffer	51	20th, 24th	35	19th, 20th	48.5	39.1	44.0	+ 7.0	8	26	7	5.26	+ 2.88	—	—	—	—	Strathpeffer.
		p Glencarron	52	23rd	31	20th	47.6	36.3	42.2	+ 3.8	25	16	7	2.23	+ 0.93	3.7	+ 1.3	8	+ 3	Fort Augustus.
		p Fort Augustus	51	23rd, 24th	35	20th	48.2	39.5	44.0	+ 4.0	25	7	7	2.63	+ 0.37	—	—	—	—	Fort Augustus.
		p Gordon Castle	56	23rd	52	21st	49.0	36.8	43.1	+ 4.7	30	15	3	0.43	- 0.19	9.2	—	20	—	Gordon Castle.
		a Nairn	54	23rd	32	20th	48.4	36.9	42.9	+ 5.4	28	14	6	0.61	+ 0.11	15.0	—	33	—	Nairn.
2. ENGLAND, N.E.	a, North.	a Aberdeen	57	23rd	37	20th	48.1	39.3	43.9	+ 5.8	25	8	5	0.21	- 0.44	16.4	+ 8.0	36	+18	Aberdeen.
		a Balmoral	54	22nd, 23rd	25	21st	50.4	37.7	42.4	+ 7.6	38	23	7	0.32	- 0.40	15.6	—	35	—	Crathes S.
		p Crieff	54	23rd	34	20th	48.9	37.3	43.3	+ 5.7	29	13	5	0.52	- 0.42	19.4	—	42	—	Balruidery.
		a Leith	55	23rd	38	20th	50.9	41.4	46.3	+ 6.8	33	2	5	0.11	- 0.31	—	—	—	—	Edinburgh.
		a West Linton	52	24th	32	18, 19, 20th	47.3	34.9	41.4	+ 4.7	15	31	6	0.62	—	11.4	—	24	—	West Linton.
3. ENGLAND, E.	b, South.	p Marchmont	52	24th	33	20th	48.9	36.3	42.9	+ 6.0	30	16	5	0.16	- 0.41	14.7	+ 6.6	31	+14	Marchmont.
		a Alnwick Castle	55	23rd	33	20th	49.2	37.4	43.5	+ 4.8	30	13	2	0.04	- 0.59	10.0	—	21	—	Cockle Park.
		a Shields	55	23rd	35	18th, 20th	50.3	38.3	44.5	+ 5.2	33	10	3	0.07	- 0.37	12.2	+ 6.8	25	+14	Newcastle.
		p Durham	55	24th	33	20th	48.7	36.6	42.9	+ 5.1	29	15	3	0.06	- 0.34	17.3	+ 8.0	35	+16	Durham.
		p Rounton	55	24th	33	19th, 20th	49.4	35.9	42.9	+ 5.3	32	17	3	0.06	- 0.36	—	—	—	—	Scarborough.
4. MIDLAND COUNTIES.	a, East.	p Scarborough	55	24th	35	18, 19, 22nd	50.1	39.6	45.1	+ 5.5	32	7	1	0.02	- 0.48	15.2	—	30	—	York.
		p York	56	24th	38	20th	50.6	37.9	44.5	+ 6.3	35	11	4	0.11	- 0.31	6.4	+ 0.8	13	+ 2	—
		a Spurn Head	54	23rd	37	20, 22, 23rd	47.9	38.6	43.4	+ 3.6	24	10	3	0.09	- 0.31	—	—	—	—	Skegness.
		a Lincoln	55	23rd	34	20th, 22nd	49.1	36.1	42.9	+ 5.0	31	17	4	0.13	- 0.29	14.7	—	29	—	Raiceby.
		a Fulbeck	54	23rd	33	20th	48.1	37.0	42.8	+ 5.1	27	14	5	0.17	- 0.28	9.4	—	18	—	Lowestoft.
5. ENGLAND, S.E.	b, West.	p Cromer	53	24th	31	20th	48.0	35.2	41.9	+ 4.2	17	30	7	0.41	- 0.13	6.3	- 3.0	12	- 6	Cromer.
		p Hillington	53	23rd, 24th	35	20, 21, 23, 24	48.9	35.9	42.7	+ 4.0	31	17	5	0.23	- 0.25	15.3	—	29	—	Hillington.
		a Yarmouth	53	23rd, 24th	32	20th	48.3	35.4	42.1	+ 3.6	28	18	6	0.30	—	—	—	—	—	Yarmouth.
		a Norwich	54	24th	34	19, 20, 23rd	49.1	37.0	43.3	+ 4.5	30	14	7	0.14	- 0.30	16.5	+ 5.7	32	+11	Geideston.
		p Cambridge	53	24th	31	20th	49.6	36.0	43.2	+ 5.1	32	16	4	0.26	- 0.08	14.2	+ 5.2	27	+10	Cambridge.
6. ISLE OF MAN	a, SCOTLAND, W.	a Felixstowe	53	23rd, 24th	34	20th	48.4	36.0	42.5	+ 3.9	29	17	4	0.16	- 0.16	15.3	—	27	—	Felixstowe.
		a Clacton-on-Sea	53	24th	35	20th, 23rd	48.1	36.3	42.4	+ 3.3	27	16	4	0.13	- 0.13	10.0	—	19	—	Clacton.
		a Rothamsted	52	23rd, 24th	30	20th	49.6	34.0	42.1	+ 3.9	34	22	4	0.34	- 0.19	11.2	+ 1.8	21	+ 3	Rothamsted.
		a Shepperton	52	23rd, 24th	33	20th	48.3	37.3	43.0	+ 3.3	27	13	5	0.14	- 0.19	9.0	—	18	—	Southend.
		p Tottenham	54	24th	35	20th	49.7	40.1	45.1	+ 5.8	30	5	2	0.17	- 0.17	9.5	—	18	—	Tottenham.
7. NORTH WALES	a, ENGLAND, N.W.	a Harrogate	53	24th	34	20th	47.8	37.9	43.1	+ 5.4	25	11	4	0.33	- 0.25	15.1	—	30	—	Harrogate.
		a Bawtry	57	23rd	33	20th	50.4	37.4	44.2	+ 6.0	35	13	3	0.05	- 0.37	10.1	+ 3.3	20	+ 7	Workop.
		p Buxton	51	24th	32	20th	46.2	36.4	41.5	+ 5.3	12	24	4	0.78	- 0.40	5.7	—	11	—	Buxton.
		a Nottingham	55	23rd	35	20th, 23rd	49.7	37.6	43.9	+ 5.3	32	12	6	0.16	- 0.32	7.0	—	14	—	Nottingham.
		p Birmingham, Edgbn	53	24th	34	18th	48.8	37.7	43.5	+ 5.2	29	12	5	0.15	- 0.35	10.7	—	21	—	Birmingham.
8. SOUTH WALES	b, ENGLAND, S.W.	a Raunds	52	19, 23, 24th	35	23rd	49.0	38.4	43.9	+ 4.6	28	10	4	0.85	+ 0.40	5.7	- 3.7	11	- 7	Oxford.
		a Oxford	52	23rd	32	22nd	47.1	37.2	42.4	+ 5.0	23	13	5	0.27	- 0.38	10.5	—	21	—	Sheffield.
		a Cheadle	55	24th	35	20th, 22nd	50.6	37.9	44.5	+ 4.1	35	11	5	0.12	- 0.12	—	—	—	—	Cheadle.
		p Shrewsbury	55	23rd	34	20th, 22nd	50.6	38.9	44.9	+ 6.0	33	9	5	0.12	- 0.39	—	—	—	—	Shrewsbury.
		a Hereford	52	24th	29	20th, 22nd	48.2	34.6	41.7	+ 3.5	17	32	5	0.61	+ 0.02	8.6	- 0.1	16	0	Hereford.
9. IRELAND, N.	a, West.	a Cirencester	52	20, 23, 24th	30	22nd	50.1	37.3	44.0	+ 3.8	34	13	6	0.69	+ 0.01	12.2	—	23	—	Cirencester.
		a Bath	52	20, 23, 24th	30	22nd	50.1	37.3	44.0	+ 3.8	34	13	6	0.69	+ 0.01	12.2	—	23	—	Bath.
		p Kew	54	24th	34	20th	49.3	38.6	44.2	+ 4.7	30	10	2	0.09	- 0.34	7.0	- 1.3	13	- 3	Ramsgate.
		a Marlborough	51	23rd	31	20, 22, 23rd	48.8	35.3	42.3	+ 3.9	30	19	5	1.08	+ 0.42	10.2	+ 2.2	19	+ 4	Kew.
		a Margate	53	23rd, 24th	35	23rd	50.1	38.6	44.6	+ 4.3	32	10	2	0.06	- 0.40	10.1	- 0.3	19	- 1	Marlborough.
10. IRELAND, S.	b, East.	a Wisley, Surrey	55	24th	32	20th	50.2	36.7	43.7	+ 4.1	34	15	2	0.17	- 0.17	8.4	—	16	—	Margate.
		a Swaraton	52	24th	27	23rd	48.6	35.0	42.1	+ 3.5	30	20	4	0.44	- 0.25	9.7	—	18	—	Wisley.
		a Tunbridge Wells	51	24th	32	23rd	48.3	35.6	42.2	+ 3.8	28	18	5	0.28	- 0.38	9.1	- 0.4	17	- 1	Worthing.
		a Dungeness	52	19th, 23rd	34	19th	50.6	37.7	44.4	+ 3.4	35	12	3	0.08	- 0.41	9.8	—	18	—	Tunbridge Wells.
		p Hastings	51	19th, 24th	36	23rd	49.0	40.0	45.2	+ 4.2	31	6	3	0.12	- 0.50	14.1	+ 1.4	26	+ 3	Littlestone.
11. ENGLISH CHANNEL.	a, East.	p Southampton	55	19th	33	23rd	50.8	39.7	45.5	+ 4.3	34	6	4	0.47	- 0.19	9.7	- 0.9	18	- 2	Hastings.
		a Ventnor	53	19th	39	18th	50.7	42.8	46.9	+ 3.5	34	0	4	0.36	- 0.26	14.7	+ 3.7	27	+ 7	Southampton.
		a Westminster	54	24th	35	20th, 23rd	50.3	37.6	44.2	+ 4.3	34	12	5	0.08	- 0.35	3.6	+ 0.6	7	+ 1	Ventnor.
		a Greenwich	53	23rd, 24th	33	20th														

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	40.4	—	Harrogate	1	29	41.9	42.8	6. Dumfries	0	31	41.6	43.0
1. Aberdeen	—	—	—	43.4	Huddersfield ..	1	29	41.2	43.1	Douglas	0	33	—	—
Crathes	3	28	40.2	42.2	Buxton	5	26	41.1	44.2	Aspatia	0	31	42.4	44.3
Balmoral	3	25	—	—	Sheffield	2	27	41.7	44.1	Newton Rigg ..	2	27	43.4	43.4
West Linton ..	3	25	—	—	Nottingham ..	2	29	41.2	43.3	Burnley	2	27	41.4	43.5
Marchmont ..	2	30	39.6	—	Birmingham ..	2	30	43.1	45.8	Southport	2	27	41.7	43.6
Cockle Park ..	3	29	40.0	42.1	Oxford	3	28	—	—	Manchester City ..	0	36	42.5	45.0
Durham	2	28	—	—	Hereford	3	28	—	—	Bettws-y-Coed ..	—	—	—	—
York	—	—	42.6	44.9	Gloucester	—	—	44.4	46.9	Llangammarch Wells	6	20	43.3	46.2
Hull	4	26	41.6	44.9	Bath	—	—	—	—	Cardiff	3	28	43.3	45.9
Lincoln	—	—	41.3	44.0	Margate	0	32	44.6	46.5	Clifton	3	26	—	—
Raunceby	3	25	41.9	45.1	Greenwich	3	23	—	—	Plymouth	2	28	46.5	—
Norwich	5	25	—	—	Westminster ..	5	27	—	—	9. Armagh	2	29	43.5	45.7
Yarmouth	—	—	41.4	45.3	Kew	3	23	43.5	46.5	Markree	0	33	44.7	46.6
Lowestoft	—	—	—	—	Canterbury ..	1	30	44.4	46.6	10. Dublin, Trin. Coll.	—	—	—	—
Clacton-on-Sea ..	5	24	42.5	45.8	Tunbridge Wells ..	4	22	43.4	—	11. Guernsey, Brooklyn	1	28	47.6	49.6
Southend	4	28	44.3	—	Wisley	4	27	42.8	46.4					
Tottenham	2	28	—	47.0	Worthing	3	26	44.1	47.8					
					Portsmouth ..	1	28	45.4	48.3					
					6. Glasgow	0	31	—	—					
					Rothsay	—	—	—	—					
					Colmonell	0	35	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.

Taken daily at or about sunrise and at 4 p.m.

DISTRICT.	STATION.	Highest.	Lowest.	Mean.	DISTRICT.	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	45	45	45.0	SCOTLAND, W.	Lamlash	47	46	46.9
	Kirkwall	45	43	43.9		Ballantrae	46	44	45.2
	Wick	46	45	45.5	ENGLAND, N.W.	Port Erin	49	48	48.9
SCOTLAND, E.	Cromarty	43	40	41.5		Newquay	49	48	48.4
	Pennan Bay	42	40	41.0		Scilly	50	49	49.5
ENGLAND, N.E.	Aberdeen, Cove Bay	46	45	46.0	ENGLAND, S.W.	Plymouth†	50	50	49.9
	Burnmouth, Berwick	44	43	43.8		Salcombe	51	48	49.7
	Scarborough	46	41	43.8	IRELAND, N.W.	Sheephaven	46	44	45.8
ENGLAND, E.	Shipwash Lightship	48	47	47.1		Teelin	48	46	47.0
	Margate†	47	46	46.2	IRELAND, S.W.	Cleggan	49	45	46.2
ENGLAND, S.E.	Eastbourne†	48	47	47.7		Seafeld	49	46	47.4

† Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: → = a heavy gale; →→ = a gale; →→→ = a fresh to strong breeze; →→→→ = a light to moderate breeze; and ○ = a calm. In the left-hand chart the weather is indicated as follows: —b = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.30 a.m. in Portugal; and at 8 a.m. in Spain.

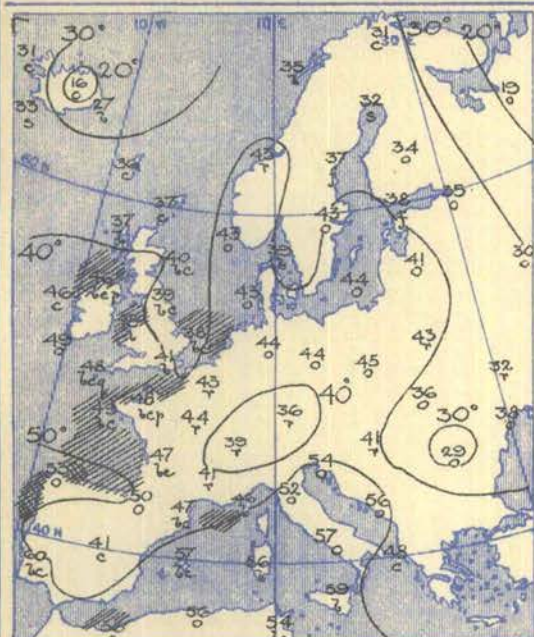
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 18th December, 1910.

Temperature and Weather.

7 a.m.

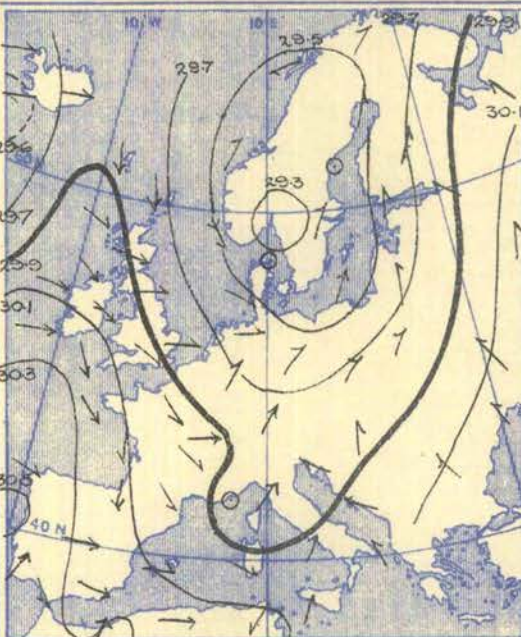


Weather in morning fair over the greater portion of the United Kingdom and southern Europe, very cloudy to overcast elsewhere, with rain over a large area in France, Belgium, and central Europe, and rain or snow in some Scandinavian localities. Rain experienced later at nearly all our own stations during day or at night, and over a very large area on the Continent; about 0.5 in. at Biarritz and Munich, and 0.6 in. at some places in Austria-Hungary and at Christiansund.

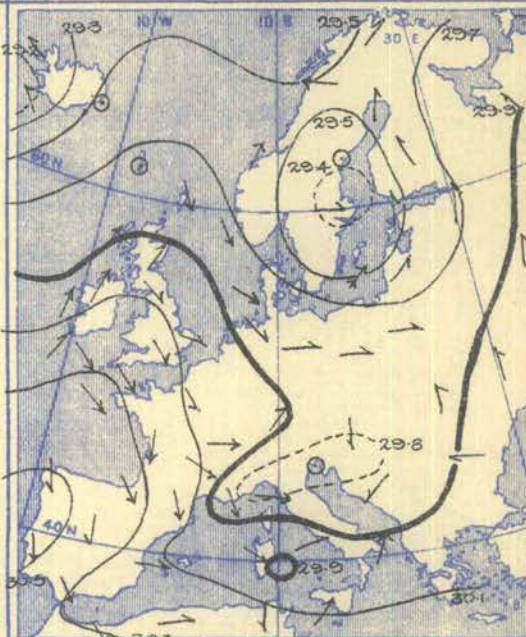
Temperature fallen in most regions. Morning readings ranging from 60° at Lisbon, and above 55° at some other stations in the far south, to slightly below 40° in the north and east of Britain, and in considerable patches on the Continent, and to below 32° in the extreme north and north-east; lowest value, 19° at Archangel. Rising later to 70° at Oran, 66° at Malta, and to about 60° at several other stations in the far south; only touching 45° at Turin and over a considerable portion of central Europe and the east of France, but reaching or slightly exceeding 50° in the north and west of these Islands.

Barometer and Wind.

7 a.m.



6 p.m.



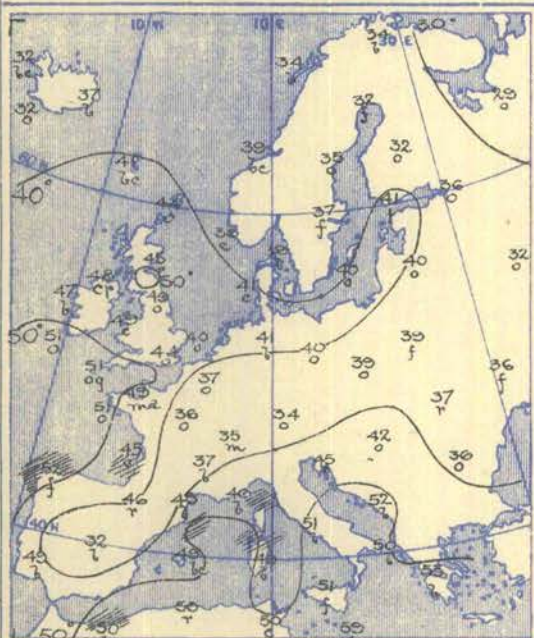
Wind in morning mainly North-Westerly over these Islands and the north-west of Europe generally, fresh to high in the west and north of this country, and strong to a gale on the south-west coast of Norway. Fresh or strong from the South-Westward and Southward over Germany and the Baltic. A separate cyclonic circulation prevailing over Italy and the surrounding regions, the Southerly to South-Westerly current blowing strongly in places. Backing to between South and South-West later over the United Kingdom and increasing in force in the west and north-west. Increasing to a gale from South-West at Wisby by evening and to a high wind from North-West in the south of Spain.

Barometer in morning above 30.5 ins. between Portugal and the Azores. Below 29.8 ins. in a depression over southern Norway, below 29.7 ins. in another over northern Italy, and below 29.6 ins. to the westward of Iceland. Norwegian depression decreasing in intensity during day, and at the same time moving eastward; that over Italy undergoing considerable modification in form; and that in the extreme north-west extending in an easterly and south easterly direction and affecting the barometer in these Islands. No change taking place within the anticyclonic region.

Monday, 19th December, 1910.

Temperature and Weather.

7 a.m.

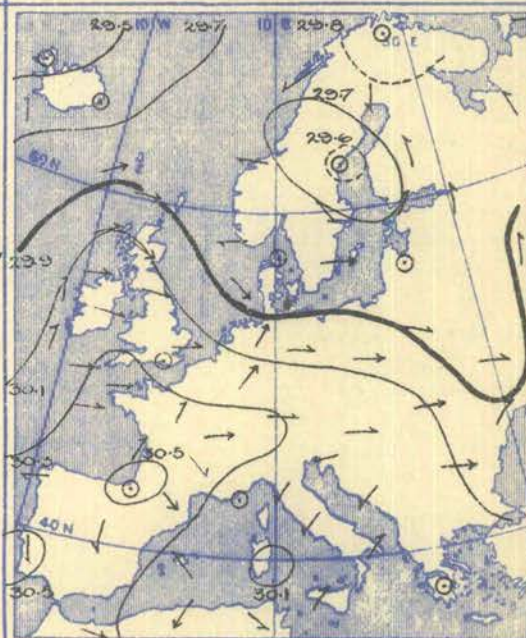


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the northern half of the United Kingdom as well as at some stations in France and central Europe. Very cloudy or overcast in most other regions, but generally fair to fine over the Mediterranean and the extreme south of the Continent. Rain falling at Algiers. Rain later in the west and north of these Islands and over a large portion of the Continent, but amounts rather slight generally; about 0.5 in. on the west coast of Ireland, and also at Bilbao.

Temperature risen in this country, fallen over the western and north-western countries of the Continent. Morning readings ranging from 50° at Malta and about 50° at some other southern stations and in the south and south-west of these Islands and at Leith, to below 40° over the greater part of the Continent, and to below 30° in the north of Russia. Maxima during day a little above 50° in many parts of this country, about 60° at some stations in the extreme south of Europe, and 70° at Oran. Very little above 40° in the east of France and central Europe, and no higher than 50° at Setif (Algeria).

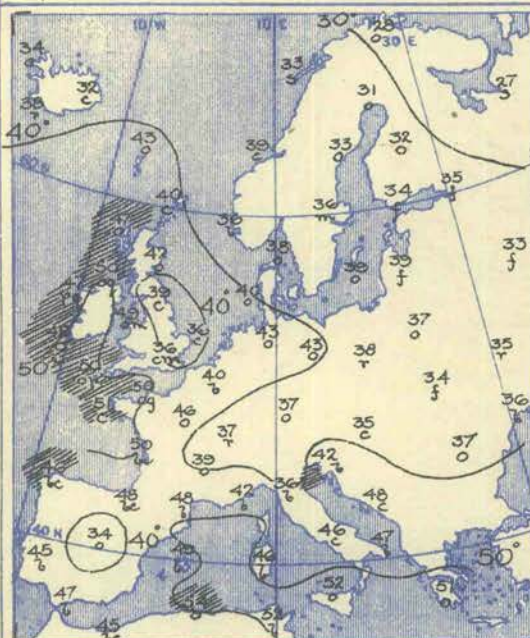
Wind in morning between West and South-West over these Islands, and of moderate force. A complete cyclonic circulation of little strength prevailing over northern Europe, and light to moderate cyclonic winds over Italy and its neighbourhood. Backing to the Southward later in the west of these Islands and increasing in force. Blowing a gale from between South-West and North-West on the Atlantic between the 18th and 28th meridians.

Barometer in morning above 30.4 ins. over most of France, the Spanish Peninsula and the adjacent part of the ocean; below 29.6 ins. in a depression over the Gulf of Finland and also over the Icelandic region, and below 29.4 ins. in a disturbance far out on the Atlantic. Little change in the general distribution of pressure during day; Atlantic disturbance approaching nearer to these Islands.

Tuesday, 20th December, 1910.

Temperature and Weather.

7 a.m.

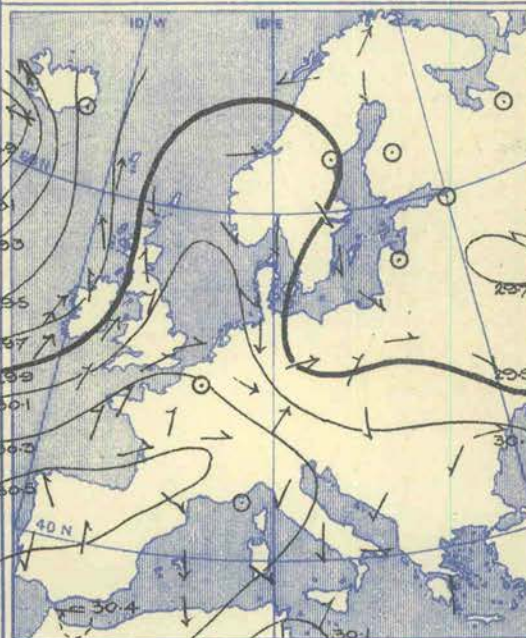


Weather in morning fair to fine in places, but very cloudy or overcast generally, with rain in several localities, and snow at Moscow and Archangel. Rain falling later in most parts of these Islands and in central Europe, and larger quantities in the north of Africa.

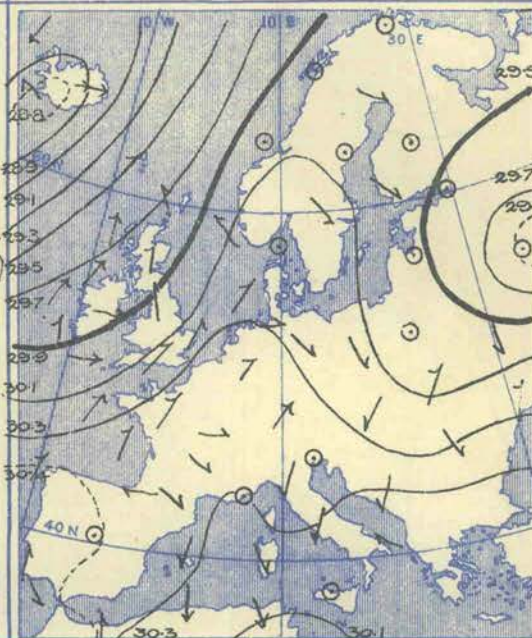
Temperature fallen over the United Kingdom. Morning readings ranging from about 50° in the west and south-west of this country and over a considerable area on the Mediterranean to below 40° in the east and north of the Continent and the east and south-east of England, and to below 32° in a few places. Subsequently rising to slightly above 50° in various parts of these Islands, France and Italy, and to above 60° in Algeria and the south of Spain. Maxima only 41° in some parts of central Europe, and 43° at Turin. Night very mild in England; minimum only 50° in London.

Barometer and Wind.

7 a.m.



6 p.m.



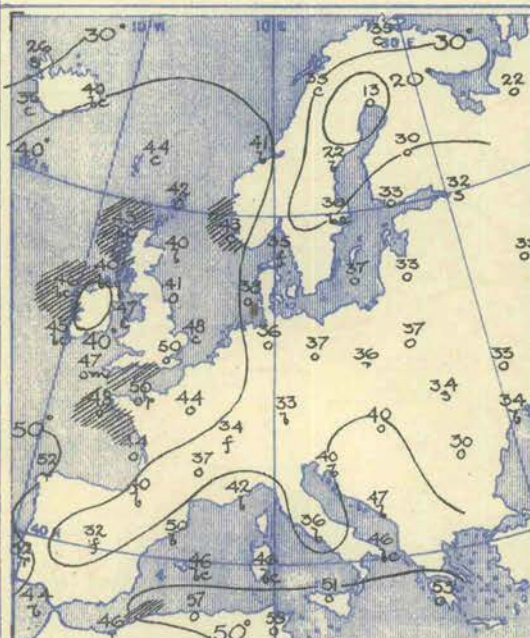
Wind in morning Westerly to Southerly over these Islands, strong to high on the western coasts, and blowing a gale at Blacksod Point. Strong winds or gales from the South-Eastward prevailing in Iceland. A feeble cyclonic circulation shown over Russia and its vicinity. Increasing in force from the Southward later in the east and south of England and in Shetland, but becoming less strong on our extreme north-west coasts. A strong North-Westerly current setting in over Algeria.

Barometer in morning above 30.5 ins. in an elongated area stretching from the Azores to the east of France; below 29.7 ins. in a depression over central Russia, and below 28.7 ins. in a large disturbance having its minimum to the south-westward of Iceland. Pressure giving way later over Great Britain but rising somewhat in Ireland. Not much change on the Continent, but barometer rising decidedly between Portugal and the Azores; a fall of the mercury setting in in Algeria.

Wednesday, 21st December, 1910.

Temperature and Weather.

7 a.m.

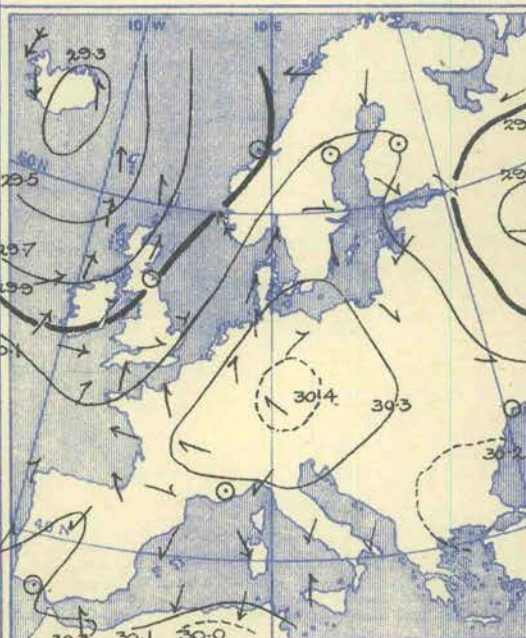


Weather in morning rainy in several parts of England and at Breslau, as well as at Lisbon and in the North of Africa. Very cloudy or overcast in most other regions, but fine in Ireland and Scotland, Italy, and at many stations in Scandinavia. Rain later in most parts of these Islands, 0.5 in. at Oxford, and 0.8 ins. at Stornoway, and heavy amounts in some parts of Algeria and Tunis.

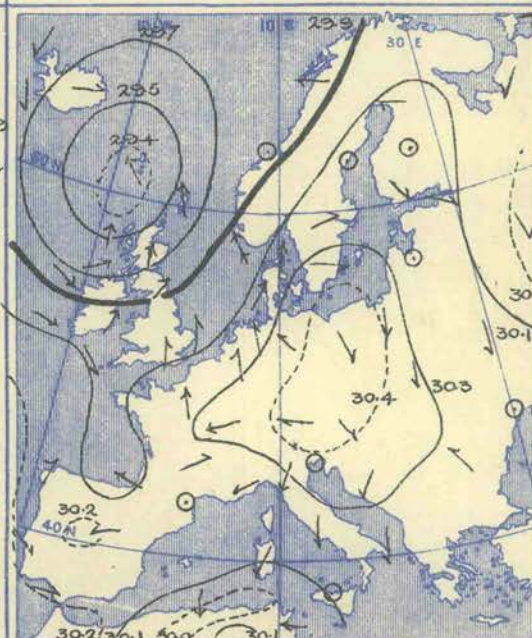
Temperature showing little change over our area generally. Morning readings above 50° at some stations in the far south and about that figure in the south of England. Below 32° at various places in the east of our area and below 20° in the north of Sweden. Rising later to slightly above 60° in the extreme south, but remaining below 50° generally, and below 40° over a large area in central Europe and the north of Italy. Night colder than recently over the United Kingdom; thermometer falling to 30° at Bath.

Barometer and Wind.

7 a.m.



6 p.m.



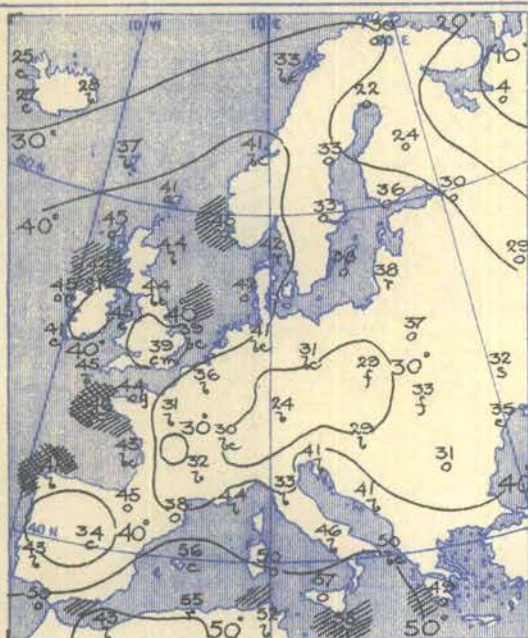
Wind in morning light to strong from the Southward over England and Scotland, and fresh to high from that quarter in Ireland and the Hebrides. A gale from South prevailing at Skudesnaes, and from North-East on the north-west coast of Iceland. A moderate to strong or high wind from between East and north-East general in Algeria. A light anticyclonic circulation prevailing in the central countries, and light or moderate Northerly to Westerly breezes in Russia. Veering towards West in the west and north-west of these Islands later and blowing a gale in a few places.

Barometer in morning above 30.6 ins. in the Azores region and above 30.4 ins. in central Europe. Below 29.5 ins. in a large depression having its minimum south of Iceland, and relatively low over the Bay of Biscay, and also in central Russia. Main depression moving south-eastward later in day, and pressure increasing briskly in its rear. Changing irregularly in the Mediterranean region, but falling over the Spanish Peninsula and the south of France.

Thursday, 22nd December, 1910.

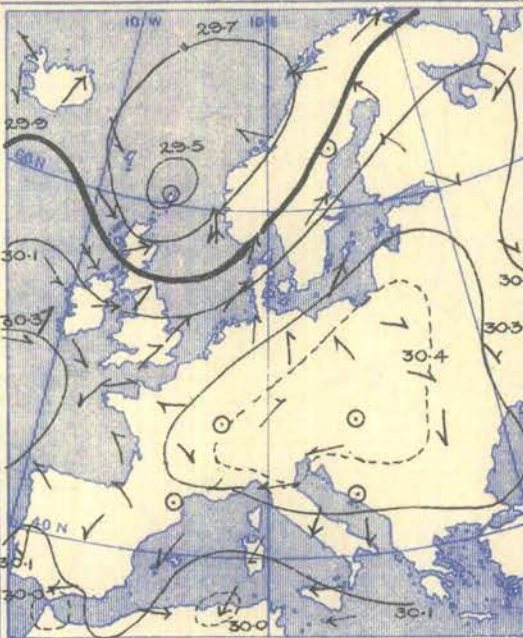
Temperature and Weather.

7 a.m.



Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning showery in some places in the north-west and north of these Islands, and rainy at Skagen, Karlstad and Memel. Fair to fine over a large portion of our area, but foggy or misty in places, and overcast in Russia and Sweden. Some rain later in the west and extreme north of this country and also in the south of Spain.

Temperature fallen in England, France, and the nearer regions of the Continent, risen in Sweden. Morning readings ranging from 58° at Malta and 56° at Palma to a little below 3° over the major portion of the Continent, and to 4° at Archangel. Maxima lower than that of late in England, and not above 50° at Naples.

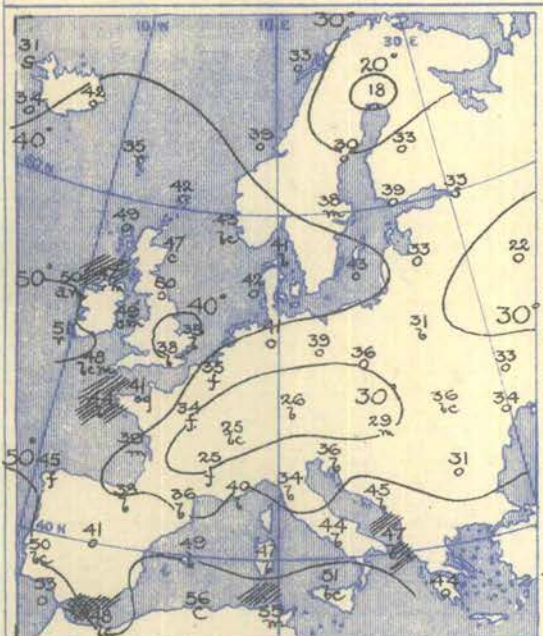
Wind in morning North-Westerly in the west and north-west of these Islands, a gale at Malin Head, Westerly and South-Westerly, light or moderate, in England, and fresh to a gale from South-West and South beyond the North Sea. Light to strong from various quarters over the Mediterranean region, and light, variable airs in central Europe. Backing to the South-West later in the north and north-west of these Islands and blowing strongly.

Barometer in morning above 30.4 ins. in an anticyclone over the central countries of the Continent, and about 29.6 ins. at the Azores. Below 29.5 ins. in a depression centred to the northward of Shetland, and relatively low over Algeria and Morocco. Another large depression extending over Iceland by evening.

Friday, 23rd December, 1910.

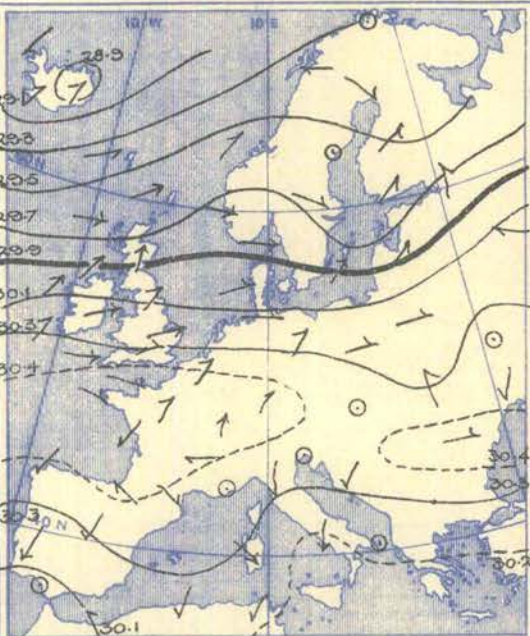
Temperature and Weather.

7 a.m.

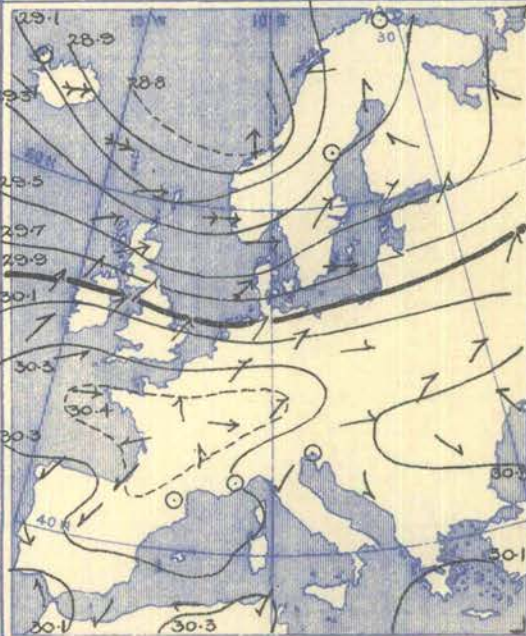


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rainy in the Hebrides and Ireland, and overcast in some other parts of our area, but fair generally, and cloudless in some southern regions. A good deal of fog prevalent in central Europe, some parts of France, and also at Corunna. Rain experienced later in almost all parts of these Islands and the nearer countries of the Continent, and rain or snow in Scandinavia, Finland and North Germany.

Temperature risen in the United Kingdom, Portugal, and Germany. Morning readings ranging from about 55° at some places in the extreme south, and 60° in Ireland and Scotland to below 40° in the east of England and over the major portion of the Continent, and to below 32° over large patches in the central and northern countries. Maxima during day above 50° throughout these Islands, and as high as 56° and 57° at Liverpool and Aberdeen respectively; below 50° over the greater part of France, central Europe, and the north of Italy, and no higher than 50° at Nice and Marseilles. Thermometer only rising to 34° at Belfort, and to 32° at Vienna. Readings above 60° in Algeria and the south of Spain.

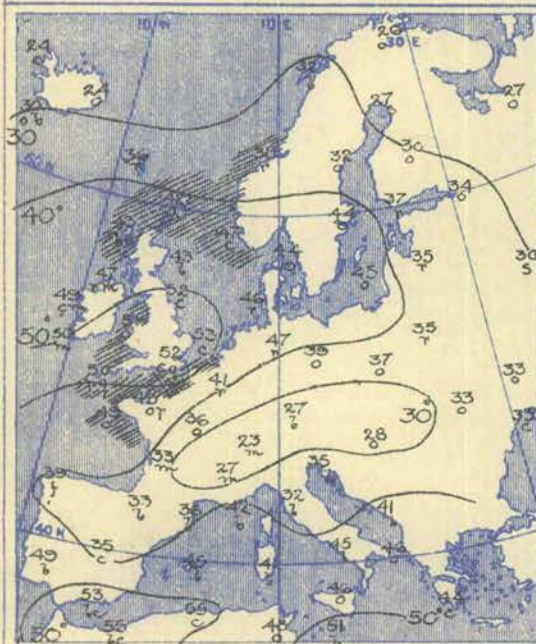
Wind in the morning Westerly to South-Westerly over this country; moderate or light generally, but fresh in the extreme north-west and high at Leith. A strong breeze from the South-Westward prevailing at Thorshavn and a fresh breeze from North-East at Isafjord. Light breezes, mainly from West and South-West, reported over the northern half of the Continent, but a gale prevailing at Wisby. Light winds from between North and North-East general over the Mediterranean, but strong winds from that direction in Portugal, and an Easterly gale at Malaga. Increasing to a gale from the Westward by evening or at night on our northern coasts, the west of Norway and Denmark, and to a strong breeze or high wind over the United Kingdom generally, as well as over the North Sea.

Barometer in morning above 30.4 ins. in a band extending from the Azores region to Bavaria; and also over Transylvania and its vicinity; below 29.9 ins. in a large depression centred over Iceland, and relatively low between Morocco and Madeira. Northern disturbance travelling eastward and extending southward towards these Islands. A great increase taking place in the gradient over this country and the North Sea.

Saturday, 24th December, 1910.

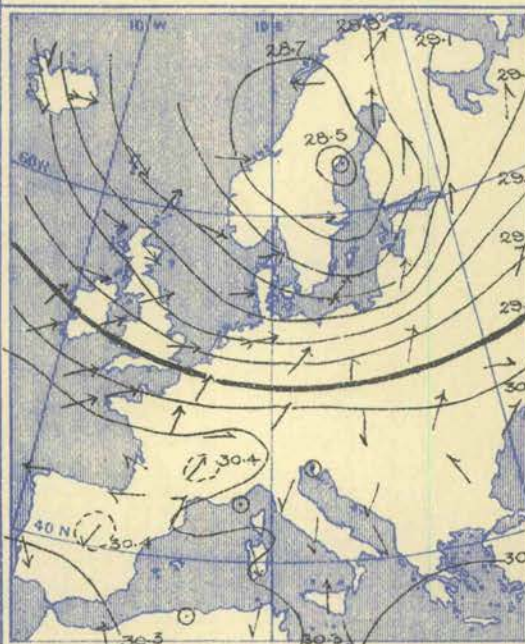
Temperature and Weather.

7 a.m.

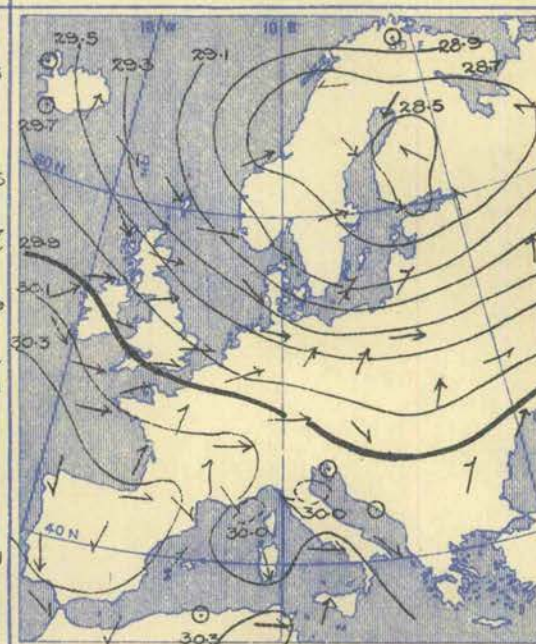


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rough and squally, with rain or passing showers in places, over these Islands and the north-western and northern countries of the Continent. Generally fair to fine and bright over the southern countries and the Mediterranean, but foggy at Corunna and Toulouse. Some snow later in Caithness, Scandinavia, and Russia, and rain in the central countries, most parts of France, the Netherlands, and England and Ireland.

Temperature changed rather irregularly; risen in England and the nearest regions of the Continent, fallen in Iceland and Scotland. Readings in morning above 50° on the coast of Algeria and at many of our own stations; below 32° in various districts on the Continent; 28° at Limoges, and 22° at Hermanstadt. Rising later to 53° or 54° in some parts of England and Ireland, and to a little higher at some stations in the far south of Europe, and to above 60° in Algeria. Maxima only 50° at Nice, 48° at Rome, and 37° at Pesaro.

Wind in morning circulating cyclonically over the northern half of our area, the North-West-erly to West-erly current blowing a gale at Portland Bill, in Norway, on the Dutch Coast, and at the mouth of the Elbe, and that from South-West blowing with equal force over the Baltic. Light or moderate breezes, mainly from some Northerly point, prevalent over the southern countries and the Mediterranean, and moderate North-Easterly breezes, over the Madeira-Azores region. No general change later; decreasing in force in the south of England and in Holland, increasing to a gale from West at Malin Head. Becoming rather stronger in the extreme south-west of our area.

Barometer in morning above 30.3 ins. in a large band extending from the Atlantic across the southern half of France and thence to the north of Africa; below 29.9 ins. to the south-ward of Madeira, and below 28.5 ins. in a very large cyclonic system centred near Hernösand. Gradient rather steep or steep over the Baltic, Germany, Poland, and Finland. Northern depression moving eastward during day and undergoing some modification in form. A decided decrease of pressure taking place over the north of Italy and its vicinity.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,640 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Dec. 18th, 10.0 a.m. to 12.10 p.m.	Brighton, 115 m.	{ Temperature Humidity Wind ..	278.8° 88% 310°, 8	?° ? % ?	272° 100% 340°, 17	260° 88% 340°, 17				267.8° 88% ?°, 17	{ Clear sky to nearly overcast, St.-Cu., lowest clouds 890 m. Very steady wind above 500 m.
2	Dec. 19th, 10.0 a.m. to 12.5 p.m.	Brighton, 115 m.	{ Temperature Humidity Wind ..	281° 100% 280°, 6.7	279.8° 100% 300°, 10	279.2° 88% 310°, 13	274° 85% 310°, 13.9					{ Various types of high cloud, almost hidden by scud and smoke fog.
3	Dec. 19th, 10.25 a.m. to 11.17 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity Wind ..	281° 100% 235°, 6	250°, 10	270°, 12	280°, 14				290°, 16	{ Clock stopped. Wind from pull on wire. Temp. between 81° and 75°. Humidity between 100% and 90%. Overcast.
4	Dec. 20th, 10.0 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity Wind ..	279° 100% 170°, 8	279° 100% 180°, 12	279.5° 90% 200°, 16	277° 80% 220°, 17				278.5° 90% 225°, 17	{ Low fog. Remarkably steady wind.
5	Dec. 22nd, 2.50 p.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity Wind ..	245°, 4		275°, 8	290°, 10	265°, 11	260°, 18.5	260°, 11	265°, 16	{ Two theodolites to 1,150 m. Clear sky.
6	Dec. 23rd, 10.5 a.m. to 11.0 a.m.	Pyrton Hill, Oxon, 150 m.	{ Temperature Humidity Wind ..	279.5° 90% 225°, 8	279° 90% 250°, 15	278° 100% 270°, 19	275° 100% 270°, 19				274.5° 100% 290°, 19	{ Overcast. Variable wind, but not gusty.

APPARATUS USED IN THE KITE AND BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5	6
No. of Kites ..	1	1	1	1	—	1
Area of Surface (sq. metres) ..	4.5	5.5	8	6	—	6
Capacity of Balloon (cub. metres)	—	—	—	—	0.45	—
Length of Wire (metres) ..	2,000	1,500	1,500	1,800	—	1,200

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE,

AND PUBLISHED FOR H.M. STATIONERY OFFICE BY WYMAN AND SONS, LTD., FETTER LANE, E.C.; OR OLIVER AND BOYD, EDINBURGH; OR E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

THIRTY-THIRD YEAR.
Vol. XXVII. (New Series.)

No. 52. FIFTY-SECOND WEEK, SUNDAY, DECEMBER 25TH, TO SATURDAY, DECEMBER 31ST, 1910.

[Price 6d.
Annual Subscription
post paid £1 10s. 0d.]

I.—General Remarks.

Weather.—The general condition was unsettled, but many bright periods were experienced in most parts of Great Britain, and on some days there was no measurable amount of precipitation. In Ireland and the north and west of Scotland rain was of frequent occurrence. Various parts of the Kingdom experienced showers of snow and sleet. Aurora was observed in the north-east of Scotland during the earlier half of the week, and lightning at Tunbridge Wells and Norwich on the 27th.

Temperature was rather above the average in most districts, but equal to it in Scotland N., England S.E., and the English Channel. The highest of the maxima were recorded at most stations either at the beginning or end of the week, and ranged from 53° in Ireland S. and the English Channel to 49° in Scotland E. The lowest of the minima, which occurred about the middle of the week, varied from 18° in Scotland E. and 19° in England S.W. to 26° in Ireland N., and to 32° in the English Channel. The lowest grass readings were 8° at Llangammarch Wells, 15° at Tunbridge Wells, and 16° in several parts of England and at Crathes.

Mean Temperature of the Sea showed a considerable decrease on that of last week, but at most stations it was higher than in the corresponding week of last year. The values ranged from 49½° at Plymouth and 48° and upwards on the Cornish coast to about 41° at Kirkwall, Cromarty and Pennan Bay.

Rainfall was less than the average in all districts except Scotland N., the fall amounting to less than 0.2 in. in England S.E. and the Midland Counties, and also at many stations in other districts. At Leith there was only 0.01 in.

Bright Sunshine just equalled the average in England E. and over Ireland, but exceeded it elsewhere. The percentage of the possible duration ranged from 32 in England S.E., and 30 in Scotland E., to 17 in England E., 16 in Ireland N., and 12 in Scotland N.

Barometer and Wind.—The pressure distribution underwent little modification, being high to the south-westward or southward of these islands, while depressions moving eastward in the far north extended their influence over our northern districts. The general direction of the wind was consequently North-Westerly to Westerly, while its force increased at times to a strong breeze or high wind on various parts of the coast, more especially in the north or north-west.

THE WEEK.

For explanation of the terms "Unusual," &c., see p. 420.		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.	
			0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.		10. Ireland, S.	11. English Channel.
Comparison with average for the time of year	Warmth	...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall	...	Moderate	Light	Moderate	Moderate	Light	Light	Light	Moderate	Light	Light	Light	Light
	Sunshine	...	Moderate	Very abundant	Abundant	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.

* In the column for each district the first figure (thick type) in the line for warmth denotes the number of weeks of unusual warmth, the second (small type) the number of weeks of deficient warmth.

Similarly in the line for rainfall, the first figure denotes the number of weeks of heavy rainfall, and the second the number of weeks of light rainfall, and so on for sunshine. The weeks unaccounted for were moderate weeks.

WINTER, 4 weeks from Dec. 4th, 1910.	Warmth ...	3 * 0	3 * 0	3 * 0	3 * 0	3 * 0	3 * 0	2 * 0	3 * 0	3 * 0	3 * 0	1 * 0	3 * 0
	Rainfall ...	1 * 2	0 * 1	1 * 1	1 * 0	2 * 1	2 * 1	2 * 1	1 * 0	2 * 1	1 * 2	2 * 2	2 * 1
	Sunshine ...	1 * 0	2 * 1	2 * 2	0 * 2	1 * 1	1 * 1	2 * 2	2 * 1	0 * 1	1 * 1	0 * 2	0 * 0

PAST SEASONS.

WINTER, 1909-10. Dec. 5th-March 5th. 13 weeks.	Warmth ...	1 * 5	2 * 4	3 * 4	4 * 2	3 * 2	5 * 4	3 * 4	5 * 3	4 * 4	3 * 6	2 * 6	4 * 4
	Rainfall ...	4 * 2	5 * 2	5 * 2	6 * 1	7 * 2	5 * 2	6 * 1	7 * 1	7 * 2	6 * 3	6 * 3	5 * 3
	Sunshine ...	10 * 2	6 * 0	4 * 2	7 * 2	8 * 2	8 * 2	5 * 1	8 * 0	6 * 1	4 * 4	4 * 1	3 * 3
SPRING, 1910. Mar. 6th-June 4th. 13 weeks.	Warmth ...	5 * 5	3 * 4	7 * 1	5 * 3	5 * 5	4 * 6	4 * 4	4 * 2	3 * 5	4 * 5	3 * 5	3 * 4
	Rainfall ...	5 * 4	2 * 3	4 * 4	7 * 3	4 * 4	5 * 5	4 * 5	4 * 5	2 * 4	3 * 4	6 * 4	4 * 3
	Sunshine ...	6 * 1	3 * 2	2 * 5	4 * 3	6 * 4	5 * 5	3 * 4	4 * 3	4 * 3	2 * 5	3 * 5	4 * 7
SUMMER, 1910. June 5th-Sept. 3rd. 13 weeks.	Warmth ...	6 * 2	3 * 6	4 * 4	3 * 4	4 * 5	3 * 6	5 * 4	4 * 3	3 * 5	6 * 2	3 * 4	2 * 6
	Rainfall ...	4 * 4	5 * 4	6 * 5	4 * 3	7 * 4	5 * 4	5 * 4	7 * 4	7 * 3	5 * 3	7 * 4	4 * 2
	Sunshine ...	5 * 4	4 * 7	1 * 6	1 * 7	1 * 7	1 * 7	4 * 6	3 * 4	2 * 6	3 * 5	3 * 5	1 * 6
AUTUMN, 1910. Sept. 4th-Dec. 3rd. 13 weeks.	Warmth ...	2 * 5	2 * 5	5 * 8	5 * 6	3 * 7	4 * 8	3 * 5	3 * 8	3 * 7	4 * 4	3 * 6	3 * 6
	Rainfall ...	3 * 9	3 * 7	3 * 8	5 * 5	4 * 3	5 * 4	1 * 6	4 * 7	4 * 5	2 * 8	2 * 7	6 * 4
	Sunshine ...	7 * 1	6 * 3	6 * 5	2 * 6	2 * 6	5 * 6	4 * 3	5 * 2	5 * 6	5 * 3	2 * 4	1 * 6

II.—SUMMARY OF TEMPERATURE, RAINFALL, AND DURATION OF BRIGHT SUNSHINE IN THE UNITED KINGDOM, FOR AGRICULTURAL AND SANITARY PURPOSES.

Explanation of the Summary.—The distribution of the Districts, and the Stations from which reports are received, are shown on the opposite page. TEMPERATURE—The Daily Mean is obtained from the maxima and minima by applying a suitable correction determined for each month. The Average for the Week is the mean daily temperature (obtained as above) in the corresponding week, derived from 25 years' observations (1881-1905). ACCUMULATED TEMPERATURE indicates the combined amount and duration of the excess or defect of temperature above or below 42° F. for the period named, and is expressed in Day-degrees—a "Day-degree" signifying 1° continued for 24 hours or any other number of degrees, for an inversely proportional number of hours.

The Averages with which the current values are compared are those for the corresponding period in the twenty-five years 1881-1905.

FIFTY-SECOND WEEK—December 25th to December 31st, 1910.																		
DISTRICTS. (See Frontispiece map.)	Temperature.										Rainfall.				Sunshine.			
	Highest.	Lowest.	Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Diff. from Av. (25 Yrs.)	Total Fall.	Difference from Average (25 Yrs.)	Hours recorded.	Diff. from Av. (25 Yrs.)	Percentage of Possible Duration.	Diff. from Av. (25 Yrs.)
			Daily Max.	Daily Min.	Daily Mean.	Difference from Av. (125 Yrs.)	Above 42°	Difference from Av. (125 Yrs.)	Below 42°	Difference from Av. (125 Yrs.)								
0. SCOTLAND, NORTH	50	21	42·9	33·3	38·3	0·0	Day-deg. 3	Day-deg. - 4	Day-deg. 32	Day-deg. - 2	7	+ 2	Inches. 1·43	Inches. +0·29	5	+ 1	% 12	% + 3
Eastern																		
1. SCOTLAND, EAST	49	18	42·5	33·2	38·0	+ 1·2	1	- 5	32	- 11	3	- 1	0·26	- 0·35	14	+ 3	30	+ 16
2. ENGLAND, N.E.	51	20	43·0	33·7	38·6	+ 0·6	3	- 4	32	- 4	3	0	0·27	- 0·13	14	+ 6	28	+ 12
3. ENGLAND, EAST	50	25	43·0	33·6	38·5	+ 1·0	3	- 5	32	- 9	4	0	0·37	- 0·02	9	0	17	0
4. MIDLAND COUNTIES	50	23	43·9	34·1	39·2	+ 1·8	5	- 4	30	- 11	3	- 1	0·19	- 0·33	12	+ 4	22	+ 8
5. ENGLAND, S.E.	50	23	44·0	34·6	39·5	- 0·1	6	- 7	29	- 1	3	- 1	0·13	- 0·39	17	+ 8	32	+ 14
Western																		
6. SCOTLAND, WEST	50	23	44·4	35·6	40·2	+ 1·0	7	- 2	25	- 4	6	+ 1	0·62	- 0·52	10	+ 4	20	+ 7
7. ENGLAND, N.W.	51	22	44·8	37·1	41·1	+ 1·8	8	- 2	20	- 9	4	0	0·57	- 0·10	10	+ 4	20	+ 8
8. ENGLAND, S.W.	50	19	46·0	37·4	41·9	+ 0·5	11	- 6	20	- 1	4	0	0·23	- 0·71	12	+ 2	22	+ 4
9. IRELAND, NORTH	51	26	46·7	38·1	42·6	+ 2·0	21	+ 8	11	- 12	6	+ 2	0·38	- 0·45	8	0	16	0
10. IRELAND, SOUTH	53	24	47·3	38·0	42·9	+ 0·4	23	+ 2	10	- 8	5	0	0·25	- 0·82	10	0	18	0
11. ENGLISH CHANNEL	53	32	49·1	41·9	45·6	- 0·1	26	- 2	0	- 7	4	+ 1	0·20	- 0·57	15	+ 2	27	+ 4
THE SEASON (Winter).—Aggregates, &c., for the Period of 4 Weeks, December 4th to December 31st, 1910.																		
0. SCOTLAND, NORTH	54	21	*	*	*	*	68	+ 34	55	- 67	27	+ 6	4·96 §	- 0·34	17 §	0	10	0
Eastern																		
1. SCOTLAND, EAST	57	18	*	*	*	*	69	+ 39	61	- 95	20	+ 3	2·31	- 0·33	37	+ 9	20	+ 5
2. ENGLAND, N.E.	56	20	*	*	*	*	81	+ 46	50	- 75	18	+ 4	1·79	- 0·23	34	0	17	0
3. ENGLAND, EAST	57	25	*	*	*	*	105	+ 66	48	- 95	20	+ 4	2·52	+ 0·73	32	- 7	15	- 3
4. MIDLAND COUNTIES	57	23	*	*	*	*	94	+ 52	47	- 100	22	+ 7	3·20	+ 1·08	30	- 3	14	- 1
5. ENGLAND, S.E.	55	23	*	*	*	*	125	+ 62	40	- 61	19	+ 3	3·62	+ 1·31	40	0	19	0
Western																		
6. SCOTLAND, WEST	53	23	*	*	*	*	74	+ 26	34	- 62	27	+ 8	5·18	+ 0·34	27	0	14	0
7. ENGLAND, N.W.	57	22	*	*	*	*	88	+ 39	27	- 72	23	+ 6	3·70	+ 0·69	31	+ 3	15	+ 1
8. ENGLAND, S.W.	55	19	*	*	*	*	116	+ 36	23	- 47	24	+ 6	6·01	+ 1·94	35	- 6	16	- 3
9. IRELAND, NORTH	54	26	*	*	*	*	96	+ 41	27	- 60	25	+ 5	2·95	- 0·48	29	- 5	14	- 3
10. IRELAND, SOUTH	57	24	*	*	*	*	114	+ 23	18	- 48	25	+ 6	4·09	- 0·03	34	- 8	16	- 4
11. ENGLISH CHANNEL	57	32	*	*	*	*	180	+ 51	0	- 19	23	+ 3	3·72	+ 0·22	51	0	23	0
THE YEAR.—Aggregates, &c., for the Period of 52 Weeks, January 2nd to December 31st, 1910.																		
0. SCOTLAND, NORTH	82	2	*	*	*	*	2149	+ 37	844	+ 48	246	- 1	49·58 §	- 2·73	1184 §	+ 75	27	+ 2
Eastern																		
1. SCOTLAND, EAST	80	- 10	*	*	*	*	2238	- 115	917	- 11	210	+ 7	32·44	+ 1·67	1328	- 2	30	0
2. ENGLAND, N.E.	81	6	*	*	*	*	2734	+ 93	685	0	194	+ 10	25·24	+ 0·47	1360	- 86	31	- 2
3. ENGLAND, EAST	83	17	*	*	*	*	3147	+ 100	588	- 176	199	+ 20	27·42	+ 3·90	1474	- 103	34	- 2
4. MIDLAND COUNTIES	83	10	*	*	*	*	2955	- 7	707	- 91	199	+ 22	30·87	+ 4·63	1332	- 70	30	- 2
5. ENGLAND, S.E.	81	13	*	*	*	*	3266	- 64	477	- 72	195	+ 23	31·96	+ 5·05	1533	- 64	35	- 2
Western																		
6. SCOTLAND, WEST	81	0	*	*	*	*	2602	+ 20	646	+ 43	220	+ 6	47·62	- 0·58	1361	+ 1	31	0
7. ENGLAND, N.W.	81	7	*	*	*	*	2796	- 28	507	- 40	222	+ 25	33·98	+ 4·20	1444	+ 62	33	+ 1
8. ENGLAND, S.W.	81	8	*	*	*	*	3090	- 103	356	- 66	218	+ 21	45·48	+ 6·83	1534	- 26	35	- 1
9. IRELAND, NORTH	79	7	*	*	*	*	2721	+ 17	496	- 7	239	+ 7	39·05	+ 0·75	1293	+ 13	29	0
10. IRELAND, SOUTH	79	18	*	*	*	*	3113	- 59	369	- 16	251	+ 43	42·97	+ 2·77	1365	- 82	31	- 2
11. ENGLISH CHANNEL	79	28	*	*	*	*	3707	- 85	57	- 75	223	+ 11	41·78	+ 9·12	1738	- 159	40	- 4

NOTES ON TABLES II. & III.

* An Asterisk is inserted in all places for which the information is not usually given.

† In districts 0, 1, and 6, the district averages for temperature are for 20 years only.

‡ The corresponding value for Report No. 51 slightly altered owing to the receipt of further information.

The names of Stations shown on the left of Table III. are those of Temperature and Rainfall Stations. The Sunshine is recorded at the Stations shown in the column on the right.

The maximum and minimum thermometers are read and set at the morning hour of observation (generally 7 a.m. or 9 a.m.) at Stations marked *a*, and at the hour of evening observation (9 p.m.) at Stations marked *p*. At the former the maximum temperature is entered to the day preceding that of reading, and at the latter it is entered to the day of reading. The minimum temperature is entered to the day of reading in all cases.

Information for Stations marked *a* is supplied by the Royal Meteorological Society, and that for Stations marked *p* is supplied by the Scottish Meteorological Society. Stations marked *M* or *S* are in connexion with one or other of the Societies, as well as with the Meteorological Office.

Values in Table III. printed in italic type are not used for the computation of the "District Values" shown in Table II.

		Temperature. In Degrees Fahrenheit.										Rainfall.			Bright Sunshine.						
DISTRICTS.	NAMES OF STATIONS.	Highest observed.	Date.	Lowest observed.	Date.	Mean for the Week.			Difference of Mean for the Week from Average.	Accumulated Heat for the Week (in Day degrees).	Above 42°	Below 42°	No. of Rain-Days.	Rainfall in the Week.	Difference from Average.	Number of Hours recorded.	Difference from Average.	Percentage of possible duration.	Difference from Average.	NAMES OF STATIONS.	
						Of Highest each day.	Of Lowest each day.	For whole of each day.													
						Day	Day	Day						Ins.	Ins.	Hrs.	Hrs.	%	%		
0. SCOTLAND, N.	a, Islands.	p Baltasound	47	31st	29	28th	41.2	33.2	37.4	—	0	32	7	1.49	—	0.9	—	—	—	Baltasound.	
		a Sumburgh Head	48	28th, 31st	30	28th	43.0	33.3	38.3	+ 1.6	3	32	6	1.69	+ 0.66	4.7	+ 1.3	11	+ 3	Deerness.	
		a Stornoway	49	31st	33	27th, 28th	44.7	36.1	40.6	+ 1.0	8	24	7	1.37	+ 0.03	7.3	+ 1.9	17	+ 4	Stornoway.	
	b, Main-land.	a Castlebay, Barra Isd.	49	28th, 31st	34	27th, 28th	47.3	38.7	43.2	+ 1.1	22	9	7	0.78	—	6.7	—	15	+ 4	Castlebay.	
		a Wick	47	31st	26	28th	41.4	32.7	37.2	+ 1.4	0	34	5	1.03	+ 0.38	—	—	—	—	Strathpeffer.	
		p Strathpeffer	50	25th	25	28th	44.3	33.8	39.3	+ 2.2	6	32	7	0.71	+ 0.05	6.8	+ 0.1	15	+ 0	Strathpeffer.	
1. SCOTLAND, E. ..	a, North.	p Glencarron	47	31st	21	27th	41.9	31.4	36.9	+ 0.0	0	36	7	2.80	+ 0.43	—	—	—	—	Fort Augustus.	
		p Fort Augustus	47	31st	23	28th	42.5	32.0	37.5	+ 0.7	1	37	7	0.87	+ 0.48	2.4	+ 0.4	5	+ 1	Fort Augustus.	
		p Fort William	46	31st	23	28th	42.7	34.2	38.6	+ 1.2	2	30	7	1.61	+ 0.63	—	—	—	—	—	
	b, South.	p Gordon Castle	48	31st	29	28th	42.4	34.1	38.4	+ 0.1	1	29	5	0.50	+ 0.10	4.5	—	10	—	Gordon Castle.	
		a Nairn	47	31st	25	28th	42.0	33.6	38.0	+ 0.5	0	28	5	0.52	+ 0.03	6.8	—	15	—	Nairn.	
		a Aberdeen	46	31st	25	28th	40.9	34.3	37.7	+ 0.4	0	30	5	0.30	+ 0.32	14.8	+ 6.1	33	+ 14	Aberdeen.	
2. ENGLAND, N.E.	a, North.	a Balmoral	49	27th	24	27th	46.1	31.3	39.0	+ 4.6	11	42	3	0.28	+ 0.43	14.2	—	31	—	Crathes S.	
		p Crieff	47	25, 30, 31st	26	28th	44.4	33.3	39.1	+ 1.6	7	34	2	0.14	+ 0.79	21.1	—	46	—	Balmoral.	
		a Leith	49	31st	36	27th, 28th	44.0	37.7	41.0	+ 1.7	6	18	1	0.01	+ 0.39	—	—	—	—	Edinburgh.	
	b, South.	a West Linton	44	31st	18	28th	39.1	29.2	34.4	+ 2.2	0	53	4	0.32	—	13.3	—	23	—	West Linton.	
		p Marchmont	44	31st	26	28th	41.0	31.7	36.5	+ 0.1	0	39	1	0.03	+ 0.54	12.3	+ 3.8	26	+ 8	Marchmont.	
		a Alnwick Castle	49	25th, 31st	27	28th	44.7	34.1	39.6	+ 0.9	8	31	2	0.23	+ 0.37	18.5	—	39	—	Cockle Park.	
3. ENGLAND, E.	a, North.	a Shields	47	31st	28	28th, 29th	42.9	32.9	38.1	+ 1.0	3	34	2	0.35	+ 0.07	—	—	—	—	Newcastle.	
		p Durham	47	31st	25	28th	43.3	33.3	38.5	+ 0.8	4	33	3	0.17	+ 0.23	19.7	+ 10.2	40	+ 21	Durham.	
		p Rounton	46	31st	20	28th	41.2	31.1	36.4	+ 1.1	0	39	3	0.20	+ 0.22	—	—	—	—	Scarborough.	
	b, South.	p Scarborough	51	25th	28	28th	44.4	35.9	40.3	+ 1.1	7	24	2	0.87	+ 0.11	12.3	—	25	—	Scarborough.	
		p York	47	25th	27	28th	42.9	33.1	38.2	+ 0.0	3	33	3	0.32	+ 0.10	9.9	+ 4.2	20	+ 8	York.	
		a Spurn Head	44	25th, 29th	31	28th	42.9	36.0	39.6	+ 0.3	3	23	3	0.10	+ 0.27	—	—	—	—	Skegness.	
4. MIDLAND COUNTIES.	a, East.	a Lincoln	46	25th	26	28th	42.9	33.6	38.4	+ 0.8	3	31	4	0.34	+ 0.07	10.2	—	20	—	Raunceby.	
		a Fulbeck	45	25th	27	28th	42.0	33.5	37.9	+ 0.4	0	29	5	0.32	+ 0.13	12.5	—	24	—	Lowestoft.	
		p Cromer	50	28th	32	31st	47.0	35.0	41.2	+ 3.8	14	29	5	0.39	—	6.0	—	12	—	Cromer.	
	b, West.	p Hillington	45	25th	26	28th	41.0	31.6	36.5	+ 1.0	0	39	3	0.57	+ 0.06	4.5	+ 5.0	9	+ 10	Hillington.	
		a Yarmouth	45	25th	32	29th, 31st	42.4	35.3	39.0	+ 0.7	1	25	5	0.56	+ 0.11	8.2	—	16	—	Yarmouth.	
		a Norwich	45	25th	27	28th	42.3	33.5	38.1	+ 0.1	1	31	5	0.63	—	—	—	—	—	Geldeston.	
5. ENGLAND, S.E. ..	a, East.	p Geldeston	46	25th	29	28th, 31st	42.2	33.1	37.8	+ 0.4	1	32	4	0.51	+ 0.08	4.0	+ 7.0	8	+ 14	Geldeston.	
		p Cambridge	47	29th	25	28th, 31st	43.0	32.2	37.8	+ 0.1	3	36	3	0.19	+ 0.14	10.7	+ 1.2	21	+ 2	Cambridge.	
		a Felixstowe	46	29th	27	28th	42.3	33.6	38.1	+ 1.1	1	31	4	0.32	—	21.7	—	41	—	Felixstowe.	
	b, West.	a Clacton-on-Sea	46	29th	29	29th	42.6	34.3	38.6	+ 0.3	2	28	2	0.22	—	18.4	—	35	—	Clacton.	
		a Rothamsted	47	29th	26	29th	43.0	32.8	37.9	+ 0.1	3	36	4	0.18	+ 0.34	13.8	+ 4.2	26	+ 8	Rothamsted.	
		a Shoeburyness	47	25th	27	28th	43.3	33.9	38.8	+ 0.3	4	31	4	0.21	+ 0.10	15.4	—	29	—	Shoeburyness.	
6. LONDON ..	a, East.	p Tottenham	47	29th	27	28th	43.7	35.2	39.6	+ 0.4	5	26	1	0.10	—	7.3	—	14	—	Tottenham.	
		a Harrogate	45	31st	28	28th	41.4	34.0	37.9	+ 0.3	0	29	4	0.23	+ 0.34	17.8	—	36	—	Harrogate.	
		a Bawtry	47	31st	27	28th	43.9	34.3	39.3	+ 1.3	5	30	3	0.22	+ 0.19	7.5	+ 0.4	15	+ 1	Workshop.	
	b, West.	p Buxton	43	31st	23	28th	41.3	33.8	37.7	+ 1.8	0	30	4	0.90	+ 0.25	6.1	—	12	—	Buxton.	
		a Nottingham	46	25, 29, 30th	27	28th, 29th	44.0	34.3	39.3	+ 0.9	6	29	3	0.18	+ 0.23	3.1	—	6	—	Nottingham.	
		p Birmingham, Edgban	49	25th	28	28th	43.5	35.7	39.8	+ 1.7	4	25	3	0.37	+ 0.13	6.4	—	12	—	Birmingham.	
7. ENGLAND, N.W. ...	a, East.	a Raunds	48	25th, 29th	23	28th	43.0	31.4	37.4	+ 0.3	3	39	2	0.09	—	—	—	—	—	Oxford.	
		a Oxford	48	29th	27	28th	43.7	33.7	38.9	+ 0.2	5	32	1	0.08	+ 0.41	15.9	+ 6.2	30	+ 12	Sheffield.	
		a Cheadle	44	29, 30, 31st	27	28th	41.9	33.3	37.8	+ 0.5	0	29	5	0.59	+ 0.05	11.5	—	23	—	Cheadle.	
	b, West.	p Shrewsbury	48	31st	23	28th	46.3	36.6	41.6	+ 1.6	12	23	3	0.15	—	—	—	—	—	Cirencester.	
		a Hereford	50	29th	25	28th, 29th	45.6	34.1	40.1	+ 1.3	10	32	2	0.10	+ 0.41	—	—	—	—	Bath.	
		a Cirencester	46	25th, 29th	23	28th	43.8	32.1	38.2	+ 0.1	5	38	1	0.07	+ 0.50	14.6	+ 5.4	28	+ 10	Ramesgate.	
8. ENGLAND, S.W. ...	a, East.	a Bath	49	29th	27	28th, 29th	45.7	35.3	40.7	+ 0.6	10	27	1	0.08	+ 0.61	15.0	—	23	—	Kew.	
		p Kew	47	25th, 29th	28	28th	43.9	35.1	39.7	+ 0.5	5	27	2	0.09	+ 0.32	11.9	+ 3.4	23	+ 7	Marlborough.	
		a Marlborough	48	29th	23	28th	43.9	32.9	38.6	+ 0.6	5	35	1	0.07	+ 0.57	14.5	+ 6.2	27	+ 12	Margate.	
	b, West.	a Margate	46	25th	32	31st	43.4	36.5	40.1	+ 0.0	4	21	4	0.44	+ 0.01	12.3	+ 1.9	23	+ 4	Wisley.	
		a Wisley, Surrey	48	29th	26	28th	43.8	32.7	38.5	+ 0.5	1	5	36	2	0.04	—	16.2	—	30	—	Worthing.
		a Swanton	46	29th	25	28th	42.9	32.4	37.9	+ 0.5	3	36	2	0.06	+ 0.59	22.7	—	42	—	Tunbridge Wells.	
9. IRELAND, N.	a, East.	a Tunbridge Wells	46	29th	27	28th	42.3	32.7	37.7	+ 0.5	1	34	3	0.10	+ 0.51	17.4	+ 7.7	32	+ 14	Littlestone.	
		a Dungeness	49	29th	29	31st	44.4	34.7	39.7	+ 0.9	7	28	3	0.22	+ 0.25	12.5	—	23	—	Hastings.	
		p Hastings	47	29th	31	28th	43.8	35.0	39.6	+ 1.0	5	27	4	0.07	+ 0.52	25.3	+ 12.5	47	+ 23	Southampton.	
	b, West.	p Southampton	50	29th	30	28th	45.7	36.6	41.3	+ 0.4	10	23	2	0.06	+ 0.53	19.9	+ 9.2	37	+ 17	Ventnor.	
		a Ventnor	50	29th	31	28th	46.3	37.4	42.0	+ 0.8	12	13	3	0.10	+ 0.51	20.4	+ 8.9	37	+ 16	Eastbourne.	
		a Westminister	48	25th, 29th	28	29th	44.3	34.6	39.6	+ 0.0	6	29	3	0.19	+ 0.22	2.7	+ 0.5	5	—	Westminister.	
10. IRELAND, S.	a, East.	a Greenwich	46	25th, 29th	27	29th	43.2	33.6	38.6	+ 1.0	3	32	2	0.14	+ 0.26	3.8	+ 3.9	7	—	Greenwich.	
		a Poltalloch	47	31st	24	28th	43.9	36.0	40												

IV.—TEMPERATURE on the Grass and in the Ground.

STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.		STATION.	Grass Min.		Mean Earth Temp.	
	No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.		No. of Obs. of 30° or less.	Lowest reading.	At 1 foot.	At 4 feet.
0. Baltasound	—	—	37.9	—	Harrogate	3	22	40.2	42.5	6. Dumfries	2	20	39.1	42.7
1. Aberdeen	—	—	—	42.6	Huddersfield	2	23	40.3	43.1	Douglas	1	24	—	—
Crathes	5	16	37.0	41.4	Buxton	4	18	39.3	44.0	Aspatia	3	16	40.3	44.4
Balmoral	5	20	—	—	Sheffield	3	21	39.8	43.9	Newton Rigg	4	16	41.4	43.2
West Linton	7	—	—	—	Nottingham	4	22	38.3	42.7	Burnley	4	17	39.6	43.5
Marchmont	5	22	36.4	—	Birmingham	2	16	40.8	45.5	Southport	2	17	39.6	43.2
Cockle Park	5	23	36.0	41.4	Oxford	4	21	—	—	Manchester City	2	26	40.3	44.9
Durham	4	16	—	—	Hereford	4	19	—	—	Bettws-y-Coed	1	25	42.3	45.4
York	—	—	40.3	44.0	Cirencester	4	23	40.9	44.5	Llangammarch Wells	6	8	41.7	46.1
Hull	3	21	38.7	44.7	Bath	—	—	41.9	45.9	Cardiff	2	21	41.2	45.5
Lincoln	—	—	39.0	43.8	Margate	2	29	42.3	45.8	Clifton	2	21	—	—
Ranby	4	22	39.4	44.8	Greenwich	4	20	—	—	Plymouth	1	19	44.1	—
Norwich	4	21	—	—	Westminster	5	16	40.1	46.0	Armagh	2	23	42.4	45.5
Yarmouth	—	—	38.4	44.7	Kew	5	16	41.6	46.8	Markree	1	21	43.7	46.6
Lowestoft	3	26	39.2	44.6	Canterbury	5	27	40.3	—	10. Dublin, Trin. Coll. ..	2	23	42.3	45.9
Cambridge	5	20	39.8	44.9	Tunbridge Wells	5	15	38.9	45.3	11. Guernsey, Brooklyn	1	24	45.6	48.9
Clacton-on-Sea	4	22	41.9	46.9	Wisley	5	19	40.1	46.9					
Southend	5	24	41.3	—	Worthing	5	23	42.1	47.6					
Tottenham	3	21	—	46.5	Portsmouth	2	23	—	—					
					Glasgow	3	20	—	—					
					Rothsay	—	—	—	44.4					
					Colmonell	1	21	—	—					

V.—TEMPERATURE of the SEA. Week ending on morning of Saturday.
Taken daily at or about sunrise and at 4 p.m.

DISTRICT	STATION.	Highest.	Lowest.	Mean.	DISTRICT	STATION.	Highest.	Lowest.	Mean.
SCOTLAND, N.	Lerwick	44	43	43.7	SCOTLAND, W.	Lamlash	47	47	47.0
	Kirkwall	43	40	41.2		Ballantrae	47	43	44.3
	Wick	46	44	44.9	ENGLAND, N.W.	Port Erin	49	46	47.4
SCOTLAND, E.	Cromarty	42	39	40.5		Newquay	49	48	48.1
	Pennan Bay	42	40	40.9		Scilly	50	48	48.8
	Aberdeen, Cove Bay	45	44	44.6	ENGLAND, S.W.	Plymouth	50	49	49.5
ENGLAND, N.E.	Burnmouth, Berwick	43	42	42.4		Salcombe	49	45	47.8
	Scarborough	44	41	42.4		Sheephaven	46	45	45.6
	Shipwash Lightship	47	43	44.4	IRELAND, N.W.	Teelin	47	44	46.1
ENGLAND, E.	Margate	47	42	43.9		Cleggan	46	44	45.2
	Eastbourne	47	43	45.0		Seafeld	49	46	47.1
ENGLAND, S.E.					IRELAND, E.				

* Only one observation each day.

EXPLANATION OF NOMENCLATURE USED ON THE FRONT PAGE.

WARMTH.—The week's warmth is called **unusual** if it is so much above the average for the time of the year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years; similarly it is called **deficient** if it is so much below the average for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate.

RAINFALL.—The week's rainfall is called **heavy** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years; similarly it is called **light** if it is so much below the average for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without rain, the word "nought" is inserted in the column for the district.

SUNSHINE.—The week's sunshine is called **abundant** if it is so much above the average for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years; similarly it is called **scanty** if it is so much below the average for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called moderate. When the week has been without sunshine the word "nought" is inserted in the column for the district.

The results of observations in the Upper Air are stated in absolute or metric units. The units adopted for each element are as follows:—
ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (m.g.d.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°, Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.
 Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Explanation of Charts.—In the two right-hand charts the height of the barometer is expressed by isobars, the pressure corresponding to each line being given in inches and tenths. The winds are shown by arrows, which are drawn flying with the wind. The force is indicated thus: $\Rightarrow$ = a heavy gale; $\rightarrow$ = a gale; $\longrightarrow$ = a fresh to strong breeze; $\longleftarrow$ = a light to moderate breeze; and $\odot$ = a calm. In the left-hand chart the weather is indicated as follows: — = blue sky; c = detached cloud; o = overcast; m = misty (hazy); f = foggy; q = squally; r = rain; h = hail; s = snow; l = lightning; t = thunder. The general distribution of temperature is shown by isotherms, and the readings at selected stations are given in degrees Fahrenheit. Diagonal lines indicate rough sea, the shading being proportional to the disturbance.

The charts for 7 a.m. are prepared from observations made at 7 a.m. in the British Islands, Belgium, Holland, Germany, Denmark, Norway and Sweden; at 6.51 a.m. in France and Algeria; at 6 a.m. in Italy and Austria; at 5.25 a.m. in Greece; at 4.59 a.m. in Russia; at 8.36 a.m. in Portugal; and at 8 a.m. in Spain.

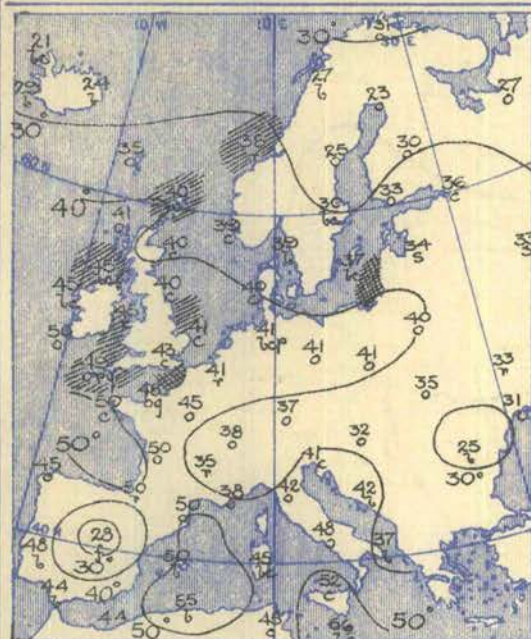
The chart for 6 p.m. is prepared from observations taken at 6 p.m. in the British Islands and Spain; 4.0 p.m. in Portugal; 5.25 p.m. in Greece; 5.51 p.m. in France; 6.51 in Algeria; 6.59 p.m. in Russia; 7 p.m. in Germany, Holland, Denmark, Norway and Sweden; and 8 p.m. in Austria and Italy. The time indicated in each case is Greenwich mean time.

The hour of observation at British Stations was altered from 8 a.m. to 7 a.m. on July 1st, 1908.

Sunday, 25th December, 1910.

Temperature and Weather.

7 a.m.

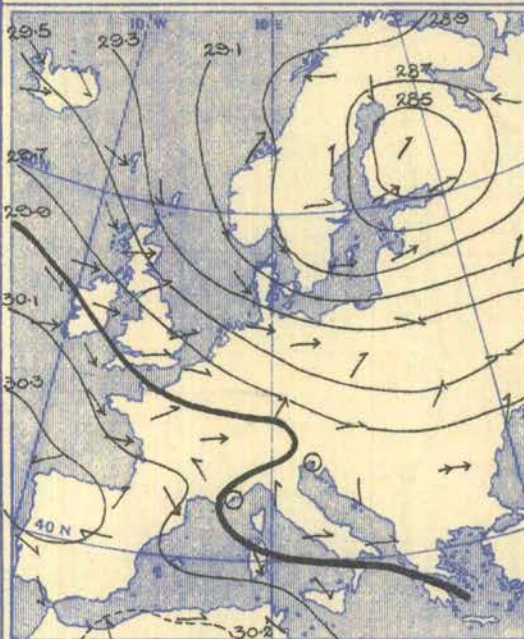


Weather in morning squally and changeable over the western and north-western countries with showers in some localities and a fair sky in others; snow showers prevailing at Wick. Much cloud and some rain reported from the central regions of Europe and France, but generally fine conditions from the Mediterranean region. Some showers experienced later in several parts of these Islands, but much bright sunshine recorded in places. Some rain in France, the Netherlands, and central Europe, and also at Naples, and heavy snow at Archangel.

Temperature fallen in these Islands and Scandinavia, risen in France and Germany. Morning readings ranging from 56° at Malta, 55° at Algiers, and 50° at Valencia, Ireland, to below 40° in central Scotland and over the eastern half of the Continent, and to below 32° in Sweden, Finland, and northern Russia, as well as in Iceland. Rising during day to between 45° and 50° in the west and south of these Islands, to about 50° in the west and south of France, to above 55° in the Spanish Peninsula and the south of Italy, and to a little above 60° in Algeria.

Barometer and Wind.

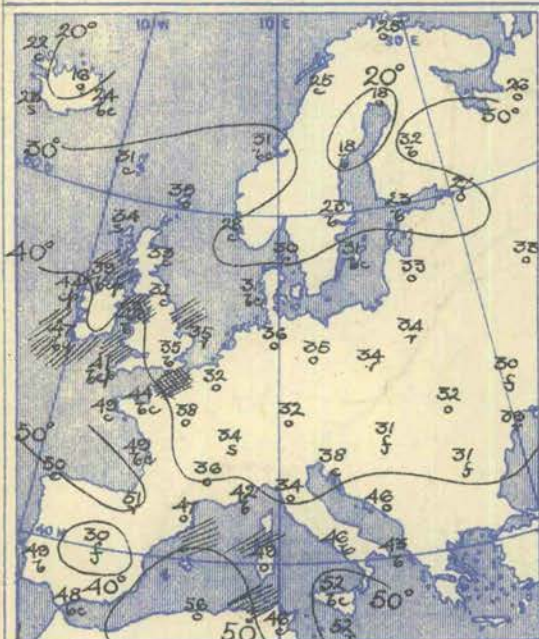
7 a.m.



Tuesday, 27th December, 1910.

Temperature and Weather.

7 a.m.

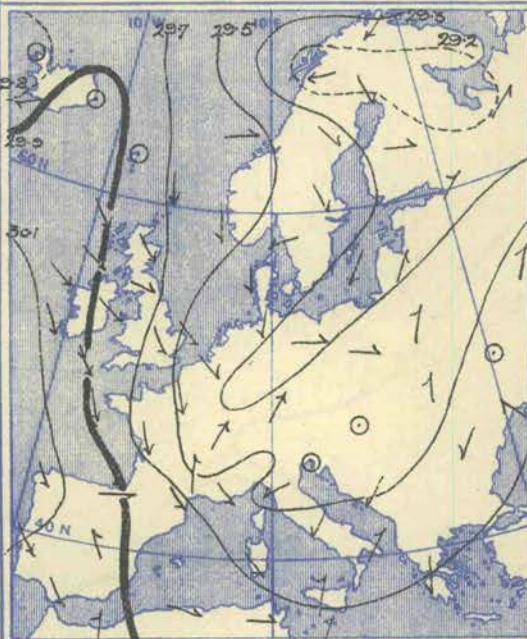


Weather in morning rather rough in these Islands and France, with rain or passing showers in a few places, and snow at Spurn Head and the Hebrides. Snow or rain falling in some German localities, and rain at Patras and Malta. Slight rain later in various parts of the United Kingdom, and rain or snow in places over a wide area on the Continent; 0.8 in. at Patras, and 0.9 in. at Bilbao.

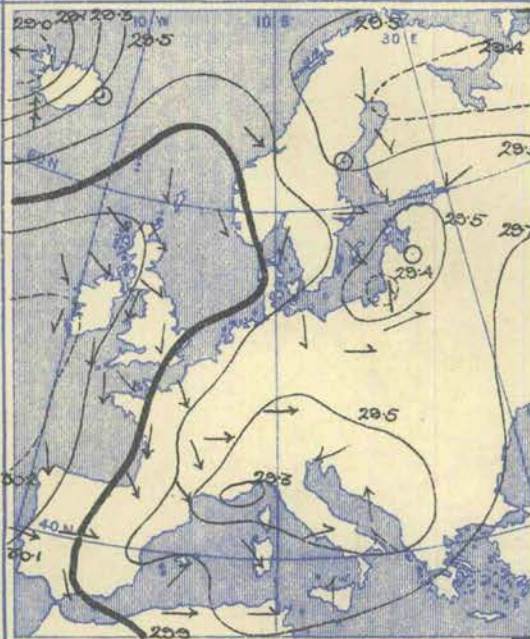
Temperature fallen in most regions. Sharp frost prevailing in Sweden, and slight frost in some other parts of our area, but thermometer at 7 a.m. above 45° on our south-west coast, and in a large area in southern Europe, and above 55° at Athens and on the coast of Africa. Maxima during day below 40° in many parts of these Islands, the east of France, and central Europe, and below 50° except in the extreme south. Thermometer rising to 60° or higher in Algeria and at Athens. Rather sharp frost at night in this country.

Barometer and Wind.

7 a.m.



6 p.m.



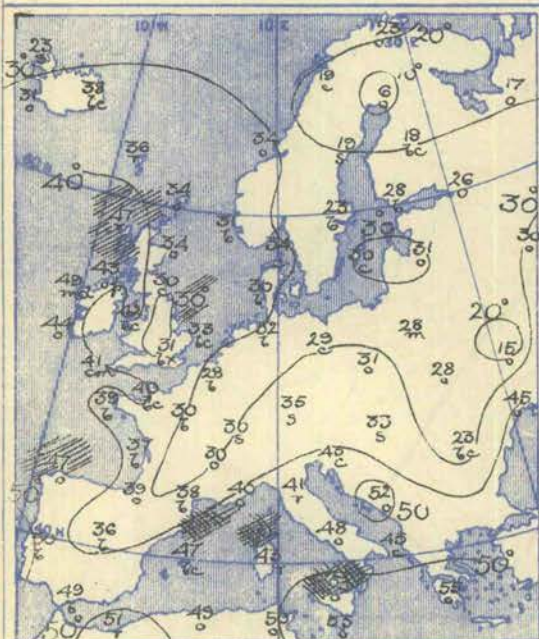
Wind in morning moderate to strong or high from North-West and North over these Islands and France, and moderate to strong from the North-Westward over the western portion of the Mediterranean, light, variable or southerly over the eastern half of our area. Decreasing in force over the United Kingdom during day and becoming rather more northerly. Increasing to a gale from the southward in Iceland, and backing in the north and west of this country at night.

Barometer in morning above 30.4 ins. on the Atlantic far to the westward of Ireland; below 29.2 ins. in a large depression covering Finland and the north of Scandinavia, and relatively low in a prolongation extending over the Baltic to the east of France. Below 29.8 ins. to the westward of Iceland. Pressure giving way rapidly in Iceland later, but rising briskly over these Islands and the neighbouring portion of the Continent. A well-marked depression developing over northern Italy and the Adriatic.

Wednesday, 28th December, 1910.

Temperature and Weather.

7 a.m.

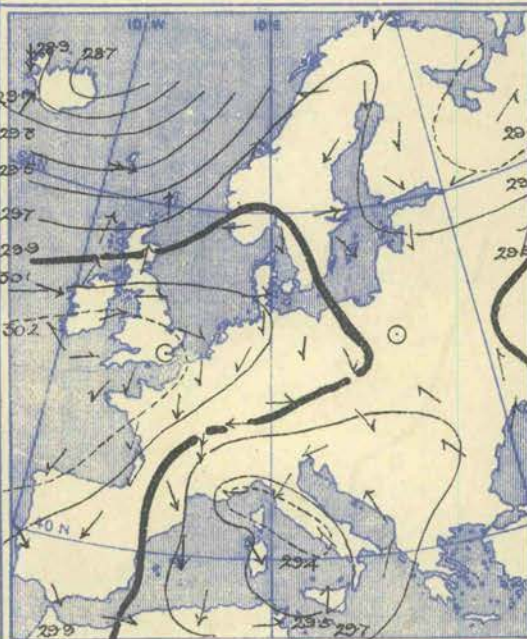


Weather in morning fair in a few districts both in the United Kingdom and on the Continent, but very cloudy and overcast generally, with rain on our north-west coasts and on some shores of the Mediterranean, and snow in South Germany, the east of France, and at Cape Gris Nez, as well as at Hérnösand. Some rain subsequently in many parts of these Islands, and heavier amounts in Italy. More than an inch of rain or snow falling at Skudesnaes.

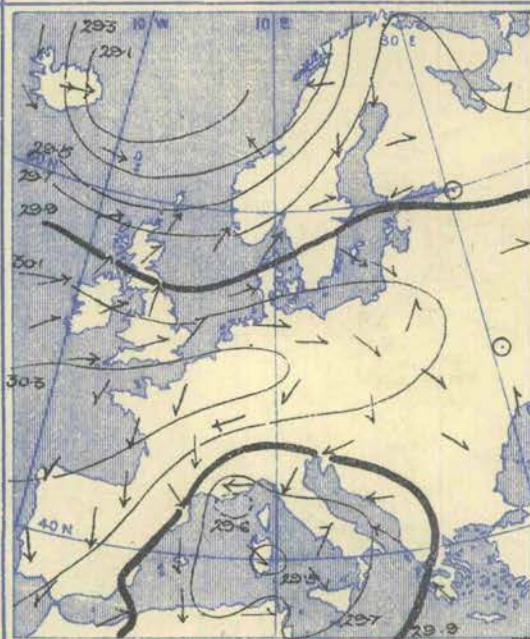
Temperature fallen generally, risen in Iceland and Scotland. Readings in morning ranging from about 50° at a few stations in the extreme south to below 32° over the major portion of our area, and to below 10° in the north of Sweden. Maxima during day below 40° at some of our own stations, and below 32° over a large area on the Continent, but 50° or above on most shores of the Mediterranean, 59° at Malta, and 61° in Greece. Thermometer only touching 50° at Algiers. Becoming milder at night over England.

Barometer and Wind.

7 a.m.



6 p.m.



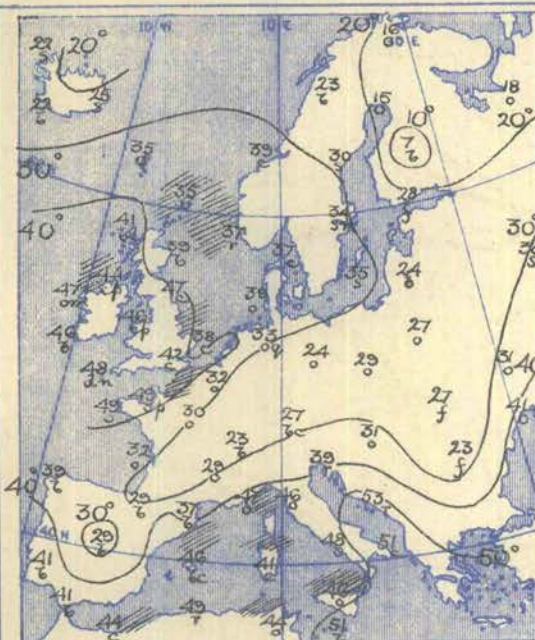
Wind in morning strong to a gale from between North and West in the Icelandic region, and light to fresh from South-West or South in the north and west of these Islands. A well-marked cyclonic circulation shown around Italy. Northerly current blowing strongly over the southern half of France; a gale at Lyons. Light, variable airs prevalent over Russia. Backing to South-West over England later in day and increasing in force. Continuing very strong in the south of France, and blowing a strong gale from North-West at Cape Béarn. A fresh breeze from North-East springing up in northern Italy.

Barometer in morning above 30.2 ins. in an anticyclonic system extending from the Azores and covering the south and south-west of these Islands; below 29.4 ins. in a deep depression over the Riviera and the Gulf of Genoa, and below 28.7 ins. in a very large disturbance centred to the north-eastward of Iceland. Latter moving Eastward during day, and barometer falling decidedly in the north of this country. A slight rise taking place within the high pressure system, but a decrease at the Azores.

Thursday, 29th December, 1910.

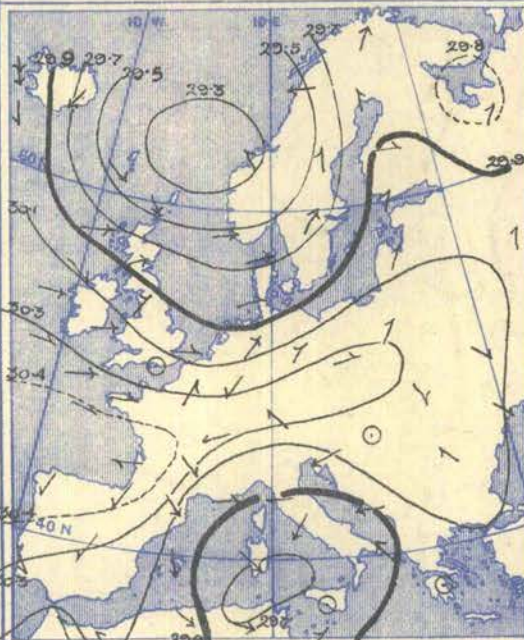
Temperature and Weather.

7 a.m.

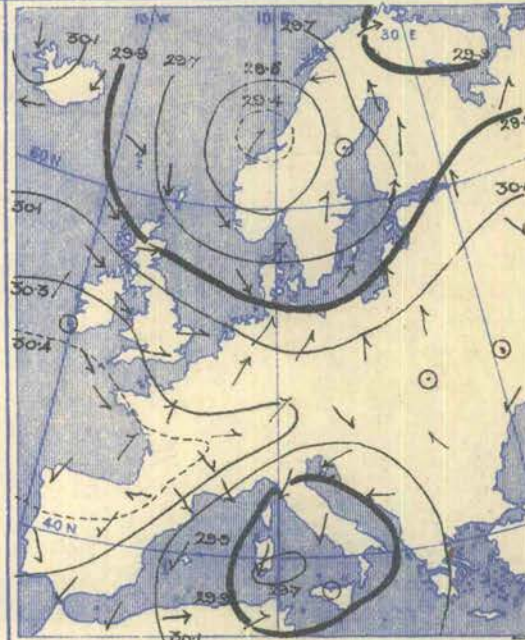


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning rough, with snow, over Sweden and the Baltic, and with rain over the Adriatic and the north of Italy. Fair to dull in most other parts of our area, with showers in the extreme north of Scotland and fog at some stations in central Europe. Snow falling at Moscow. Heavy rain, between 0.5 in. and 1.0 in., experienced later in Italy and at some places in the north-west of Africa, and smaller quantities of rain or snow in the central and northern countries.

Temperature risen over the north-west of our area, fallen generally elsewhere. Morning readings ranging from about 50° in a few localities in the extreme south and 48° or 49° on our south-west coasts to below 32° over a large portion of the Continent, to 10° at Frankfurt, and to 7° at Kuopio. Rising during day to about 45° in many parts of these Islands and to above it in places, but remaining below 32° at various stations in central Europe, and only just touching that figure in the east of France.

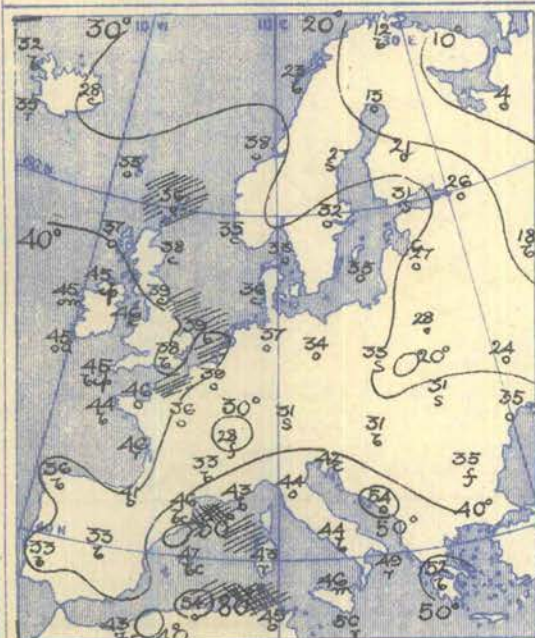
Wind in morning showing two extensive cyclonic circulations, one over the northern countries, and the other over the Mediterranean region. North-Westerly to Westerly and South-Westerly current fresh to strong on our western and north-western coasts and over the south of Norway and Sweden, and that from North blowing a gale in Iceland. A strong North-Easterly wind or a gale prevailing over the Adriatic, and a high or strong North-Westerly wind over the western portion of the Mediterranean. Very little change occurring later, except a decrease in force.

Barometer in morning below 29.3 ins. in a depression between Norway and Iceland and below 29.7 ins. in another centred between Sicily and Sardinia. Above 30.4 ins. in an anticyclone over the Bay of Biscay region, and relatively high in a band extending thence towards Russia. No change taking place in the general distribution of pressure later, but gradients becoming less steep in most districts. A fresh fall setting in in Iceland.

Friday, 30th December, 1910.

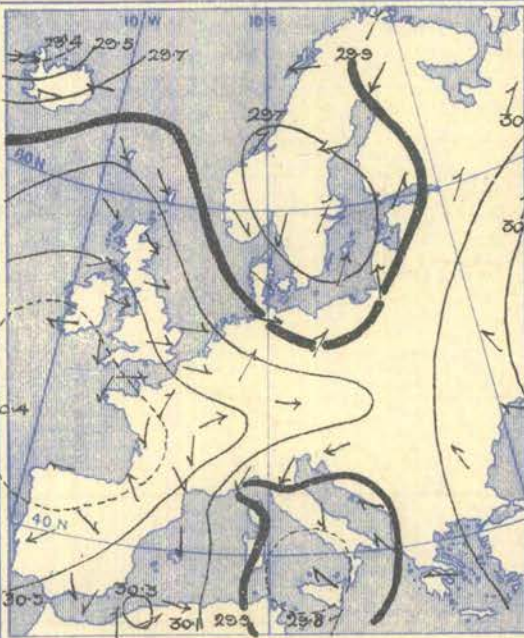
Temperature and Weather.

7 a.m.

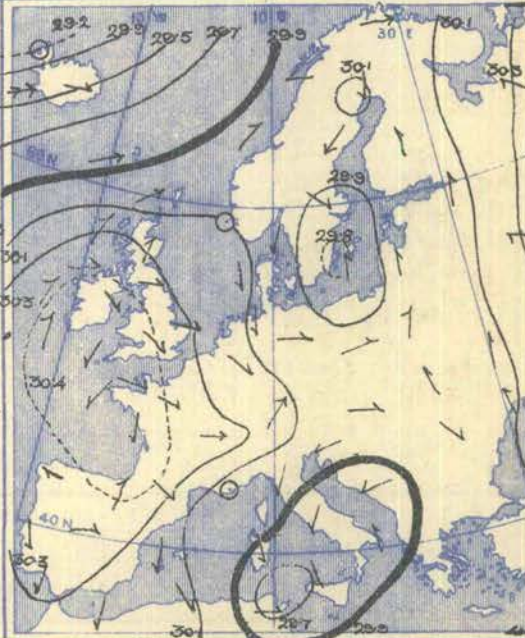


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair over the greater part of these Islands and the Spanish Peninsula; overcast in most other regions, with rain in various parts of the Mediterranean region and France, and snow in the central and northern countries. Snow falling at Setif (Algeria). Slight rain falling later at various places over the northern half of our area, and heavier amounts in some southern regions. Highest figure, 0.9 in. at Malta.

Temperature risen in France, Belgium, and western Germany, fallen in many other districts. Morning readings ranging from 4° at Archangel and below 20° at other north-eastern stations and at Cracow to about 32° over a large area in central Europe and France, and to about 50° at a few places on the shores of the Mediterranean. Thermometer as low as 32° at Setif, and 37° at Leghounat. Maxima during day about 45° in many parts of the United Kingdom and France, and above 50° at many stations in the far south of our area. Frost continuing throughout in Sweden and thermometer only rising to about 32° at many places in central Europe.

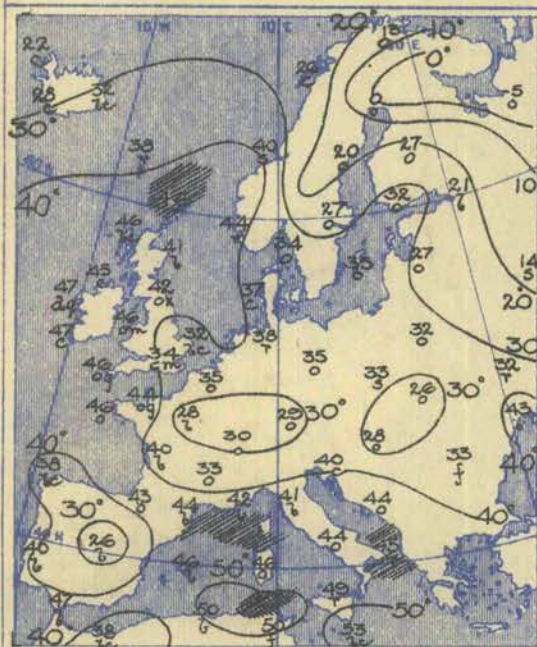
Wind in morning cyclonic both in the north and south of our area; North-Westerly current strong to high over the North Sea and that from the South-Westward having equal strength over the Baltic. Northerly current fresh or strong to a gale over the western part of the Mediterranean. A gale from West prevailing at Isafjord. Force decreasing considerably in most regions later in day, but continuing strong to a gale over the Mediterranean and in Iceland.

Barometer in morning above 30.4 ins. in an anticyclone covering the Bay of Biscay, and nearly as high in central Russia; below 29.4 ins. in a depression moving eastward to the north of Iceland, below 29.7 ins. in another over Scandinavia, and below 29.8 ins. in a third having its minimum near Palermo. Pressure increasing later over these Islands and the North Sea, but falling in Iceland, and downward motion extending towards Scotland.

Saturday, 31st December, 1910.

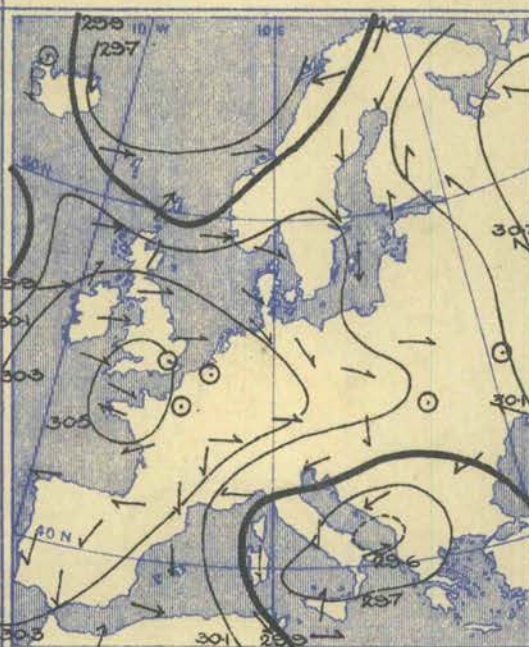
Temperature and Weather.

7 a.m.

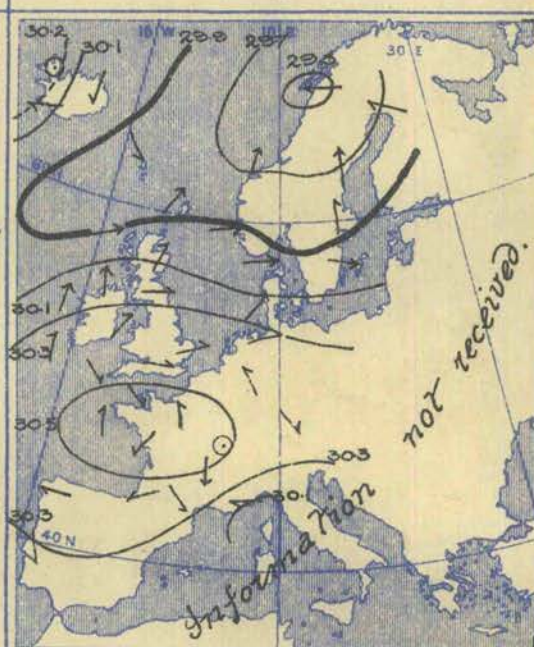


Barometer and Wind.

7 a.m.



6 p.m.



Weather in morning fair to very fine in the Spanish Peninsula, Algeria, and in a few other regions, but generally very cloudy or overcast, with rain beyond the North Sea, and also at Brindisi and Palermo, snow at Christiansund, and rain or snow in some parts of Russia and Germany. Showers at Blackod Point and Castlebay. Some rain falling later over the greater part of this country, heavily in the extreme north, and rain or snow in Scandinavia.

Temperature risen over the greater portion of our area. Morning readings ranging from 53° at Malta, 50° on the coast of Algeria, and 47° or 48° on our extreme west and north-west coasts to below 32° over a very wide area on the Continent, to zero at Haparanda, and to 5° at Archangel. Maxima during day below 45° in many parts of England and below 40° in the east of France, and in central Europe. Rising to 50° or above in the far west of these Islands and in the Spanish Peninsula.

Wind in morning anticyclonic over France and the south of these Islands, and also in Russia; cyclonic elsewhere. Northerly and North-Easterly current fresh to strong or high over the Adriatic, and that from North blowing with equal force on some parts of the Algerian coast. A high wind from West prevailing at Thorshavn. No general change occurring later over the western half of our area.

Barometer in morning above 30.5 ins. in an anticyclone centred over the Channel Isles, and above 30.3 ins. in Russia. Below 29.7 ins. in a large depression between Norway and Iceland, and below 29.6 ins. in another having its minimum over the southern portion of the Adriatic. Below 29.8 ins. in disturbance on the Atlantic far to the westward of Ireland. Northern depression travelling to the north of Norway by evening, and a secondary system moving rapidly over our most northern districts during night. Pressure increasing quickly in Iceland.

VII.—OBSERVATIONS in the UPPER AIR.—Temperature (Degrees A.), Humidity (Per Cent.), and Wind Direction (in Degrees 90°=E, 180°=S, 270°=W, and 360°=N.) and Velocity (Metres per Second).

No.	Date of Observation.	Station and its Height above M.S.L.		Ground Level.	At 100 metres above Ground.	Heights in Metres above Mean Sea Level.					At Greatest Height.	Remarks.
						500 (1,540 ft.)	1,000 (3,280 ft.)	1,500 (4,920 ft.)	2,000 (6,560 ft.)	2,500 (8,200 ft.)		
1	1910. Dec. 25th, 10.30 a.m. to 1.0 p.m.	Brighton, 115 m.	Temperature Humidity Wind	277.2° 95° 290°, 5.4	275.8° 95° 330°, 9.4	273° 100° 300°, 14	267° 100° 350°, 13.4				266.5° 95° 20°, 15	Clear sky to partly overcast. Variable types of high cloud. Bright weather.
2	Dec. 26th, 10.0 a.m. to 12.10 p.m.	Brighton, 115 m.	Temperature Humidity Wind	278° 76° 300°, 7.6	275.8° 76° Var., 11	274.6° 60° 340°, 14.8	269.6° 70° 350°, 9.8	265.2° 76° 340°, 9.8				Overcast Stratus: No clouds reached.
3	Dec. 29th, 9.34 a.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind			235°, 14					305°, 13	Two theodolites to 600 m. Alto- Cu. Clear later.
4	Dec. 29th, 11.45 a.m. to 12.50 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind	279.5° 80° 260°, 7	279° 90° 270°, 12	275° 90° 290°, 15	272° 50.7° 300°, 17				269° 80° 310°, 17	Clear day. Cirrus from N.W.
5	Dec. 30th, 3.9 p.m.	Pyrton Hill, Oxon, 150 m.	Temperature Humidity Wind			325°, 10	345°, 11				340°, 15	Two theodolites to 1,000 m. St- Cu. Balloon lost in clouds.

APPARATUS USED IN THE KITE AND BALLOON ASCENTS.

No. of Ascent.	1	2	3	4	5
No. of Kites..	1	1	—	1	—
Area of Surface (sq. metres) ..	5.5	7	—	6	—
Capacity of Balloon (cub. metres) ..	—	—	.014	—	.040
Length of Wire (metres) ..	1,800	2,300	—	2,100	—

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

SPECIAL SUPPLEMENT FOR 1910.

[Price 4d.]

Registering Balloon Ascents in 1910 received too late for insertion in the current issues.

Height.	1. MANCHESTER. 53° 27' N., 2° 14' W. Apr. 14th, 7.07 p.m.			2. PYRTON HILL. 51° 38' N., 1° 1' W. June 2nd, 6.52 a.m.		3. OUGHTERARD. 53° 25' N., 9° 20' W. Aug. 11th, 7.0 a.m.		4. PYRTON HILL. 51° 38' N., 1° 1' W. Aug. 11th, 7.30 p.m.		5. MANCHESTER. 53° 27' N., 2° 14' W. Nov. 2nd, 5.0 p.m.		6. MANCHESTER. 53° 27' N., 2° 14' W. Nov. 3rd, 5.12 p.m.			7. MANCHESTER. 53° 27' N., 2° 14' W. Nov. 4th, 5.20 p.m.		8. PYRTON HILL. 51° 38' N., 1° 1' W. Dec. 1st, 7 a.m.			Height.
km.	mgd.	°A.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	°A.	mgd.	°A.	mgd.	°A.	°A.	km.
Ground	0.985		283.8	0.988	286	1.013	287	1.000	289	0.988	281	0.980		280	0.990	281	0.991		277	Ground
0.5	.934		281	.947	283	—	?	.956	287	.941	277	.926		277	—	—	.950		275	0.5
1.0	.876	278	282.5	.889	279.5	—	?	.901	286	.882	274	.870		273.5	—	—	.891		271.5	1.0
1.5	.829	273	278	.838	277.5	.848	281	.849	282	.831	270	.812		269.5	—	—	.838	273	271	1.5
2.0	.780	269.5	273.5	.791	274	.799	279	.800	279	.781	265.5	.760		266	—	—	.790		270.5	2.0
2.5	.730	266.5	270	.741	272.5	.751	278	.752	277.5	.733	262	.715	265.5	263	—	—	.741		268	2.5
3.0	.682	264	270	.698	271	.707	275	.707	274	.687	258	.670	263	260	.714	256.5	.694	266	264	3.0
3.5	.639	261.5	267.5	.656	269	.664	271	.662	271	.640	253.5	.625	259	257	.640	253	.649	263.5	262	3.5
4.0	.598	258	264	.617	266	.624	268.5	.621	268.5	.598	251	.586	255.5	253.5	.600	250	.609	260.5	257.5	4.0
4.5	.563	255	260.5	.577	263	.587	266	.584	266	.557	246	.542	252.5	249.5	.559	247	.571	257	254	4.5
5.0	.530	252	257	.540	259.5	.551	263	.550	263	.520	241.5	.514	249.5	246.5	.522	245	.536	254.5	250	5.0
5.5	.493	248	253	.504	256.5	.516	260	.515	260	.485	238	.478	247	243	.488	242	.500	251	247	5.5
6.0	.457	242.5	249	.472	253	.485	257	.481	256.5	.452	235.5	.445	243	238.5	.454	238.5	.467	246	242.5	6.0
6.5	.430	239	244.5	—	—	.452	254	.449	253	.425	233.5	.415	236	233.5	.424	233.5	.436	241	238	6.5
7.0	.393	236.5	241	—	—	.424	249	.421	250	.394	232	.388	231.5	228	.391	230.5	.405	236	233	7.0
7.5	.373	233	238	—	—	.395	244	.394	247	.365	231.5	.360	229	224	.365	227.5	.377	232	229	7.5
8.0	.345	230	232	—	—	.368	242	.367	244	.340	232.5	.332	228.5	221	.335	225	.351	228	225	8.0
8.5	.320		226.5	—	—	.344	239	.341	240	.316	233	.305	229.5	223	.311	221.5	.325	224	221	8.5
9.0	.297		222.5	—	—	.321	236	.318	235	.293	233	.281	231.5	227.5	.288	218	.302	222	218	9.0
9.5	.275		220.5	—	—	.298	233	.297	231	.274	232	—	—	—	.285	214.5	—	—	—	9.5
10	.254		220.5	—	—	.278	229	.276	227	.255	231	—	—	—	.249	211	.257	220	217	10
11	.217		222.5	—	—	.241	223	.238	220	.220	229.5	—	—	—	.211	213	.221	219	217	11
12	.187	225	222.5	—	—	.208	217	.204	212.5	.190	227	—	—	—	.182	218	.191	218	216	12
13	.160	224	222	—	—	.178	223	.174	211	.165	225.5	—	—	—	.154	218	.164		216	13
14	.138		222	—	—	.154	223	.151	215	.142	225	—	—	—	.131	216.5	—	—	—	14
15	.120		221.5	—	—	.131	224	—	—	.124	224	—	—	—	.112	214	—	—	—	15
16	.100		222	—	—	—	—	—	—	.105	223.5	—	—	—	—	—	—	—	—	16
17	.087		222	—	—	—	—	—	—	.088	223	—	—	—	—	—	—	—	—	17
18	.074		222	—	—	—	—	—	—	.075	222.5	—	—	—	—	—	—	—	—	18
19	.060		222	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19
20	.050		222	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20
21	.048		222	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21
22	.040		222	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	22
At Min. Pressure.	.040		222	—	—	.131	224	.133	215.5	.073	222.5	.281	231.5	227.5	.105	213	.164		216	At Min. Pressure.
Max. Height (km.).			22.0				15.0		14.7		18.2			9.0		15.4			13.0	Max. Height (km.).
Min. Temp.			220° at 9.5-10.0 km.		?		216° at 12.2 km.		211° at 13 km.		222° at 18 km.		221° at 8.0 km.		211° at 10.0 km.		216° at 12.0-13.0 km.			Min. Temp.
Place of fall			Corbridge, Northumberland.		Deeping, Northants.		Moynore, Westmeath.		Near Eastbourne.		Bulwick, Northants.		Hayfield, nr. Stockport.		Ashbourne, Derbyshire.		Moreton in the Marsh, Gloucester.			Place of fall.
Distance .. (km.).			195		120		83		128		155		21		59		61			Distance .. (km.).
Direction ..			3°		335°		80°		135°		141°		78°		134°		310°			Direction ..
Gradient °C. per 100 m.			0.65		0.55		0.58		0.62		0.66		0.74		0.72		0.59			Gradient °C. per 100 m.
Ground to..			7 km.		6 km.		10 km.		10 km.		7 km.		7 km.		7 km.		10 km.			Ground to.

NOTES.

- Raining. Entered clouds at about 1.5 km. The balloon did not burst and the temperature above 6 km. is vitiated by radiation.
- The heights above 8 km. are somewhat doubtful, as the original calibration marks relating to the pressure are uncertain, and the instrument was returned badly damaged.
- Isothermal layer reached at 12.0 km. Temp. 213° at 12.5 km. Isothermal at 279° from 1.8 to 2.2 km. A very similar peculiarity occurs in the gradient in many of the ascents made during the week, August 8-13.
- Blurred trace.
- Trace up to 2.5 km. blurred owing to wedge being left in.
- Overcast, gusty, N.N.E. wind. Wet night, but not raining at 7 a.m.

SUMMARY OF THE RESULTS OBTAINED BY KITES AND REGISTERING BALLOONS.

Mean Temperature for each month and for the year at different Heights. The mean for the year is the Mean of the Monthly Means.

PYRTON HILL.

Height. km.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Year.		Height. km.
	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	°A.	No. of As- cents.	
Ground	274.5	1	—	0	277.2	3	280	2	285.8	6	—	0	—	0	236.9	4	—	0	285.8	2	276	2	277	1	230.4	21	Ground
1	281	1	—	—	273	3	273.3	2	282.7	6	—	—	—	—	284.1	4	—	—	283.8	2	272.5	2	271.5	1	277.7	21	1
2	278	1	—	—	269.7	3	269.5	2	276.7	6	—	—	—	—	278.5	4	—	—	274.5	2	268.2	2	270.5	1	274.5	21	2
3	272	1	—	—	265.2	3	263.3	2	270.5	6	—	—	—	—	272.8	4	—	—	279	2	262.3	2	265	1	268.8	21	3
4	265	1	—	—	259.2	3	256.8	2	264.8	6	—	—	—	—	269.5	4	—	—	273.3	2	256.3	2	259	1	263.0	21	4
5	258	1	—	—	251.2	3	248.3	2	258.7	6	—	—	—	—	262.6	4	—	—	268	2	247.9	2	252.3	1	255.9	21	5
6	251.5	1	—	—	243.3	3	240.3	2	252.3	6	—	—	—	—	256.5	4	—	—	261.3	2	240.3	2	244.3	1	248.7	21	6
7	243	1	—	—	236.2	3	232.5	2	244.1	6	—	—	—	—	248.4	4	—	—	254	2	233	2	234.5	1	240.7	21	7
8	234	1	—	—	228.5	3	224.5	2	236.4	6	—	—	—	—	240.8	4	—	—	246.5	2	228.5	2	226.5	1	233.2	21	8
9	226	1	—	—	221.5	2	218.5	2	228.7	6	—	—	—	—	232.3	4	—	—	238.8	2	228.1	2	220	1	226.7	20	9
10	220	1	—	—	213.8	2	218.8	2	221.3	6	—	—	—	—	223.9	4	—	—	229.8	2	229	2	218.5	1	221.9	20	10
11	214	1	—	—	212	2	221.3	2	218.6	6	—	—	—	—	218.4	4	—	—	221	2	229.7	2	218	1	219.1	20	11
12	208	1	—	—	216	1	223	2	226.2	6	—	—	—	—	221.4	4	—	—	214	2	228	2	217	1	218.5	19	12
13	205	1	—	—	217.5	1	221.3	2	222.5	6	—	—	—	—	225.6	4	—	—	207	2	226.8	2	216	1	217.7	19	13
14	—	1	—	—	—	—	221	2	222.8	6	—	—	—	—	225.0	4	—	—	267	2	224.9	2	—	—	220.1	17	14
15	—	1	—	—	—	—	219.5	1	224.6	5	—	—	—	—	224.8	4	—	—	207.5	2	223.3	2	—	—	219.9	15	15
16	—	—	—	—	—	—	—	—	225.9	4	—	—	—	—	224.7	4	—	—	208.5	1	223.8	2	—	—	220.7	11	16
17	—	—	—	—	—	—	—	—	226	4	—	—	—	—	225.3	2	—	—	209	1	224	1	—	—	221.1	8	17
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	222	1	—	—	—	—	—	—	—	—	222	1	18

DITCHAM PARK, PETERSFIELD.

Ground	277	1	276.5	1	280	1	279	1	285.1	3	285	1	—	0	288	2	—	0	—	0	—	0	—	0	—	0	281.0	10	Ground
1	284	1	270.5	1	274	1	273	1	281.9	3	287	1	—	—	284.5	2	—	—	—	—	—	—	—	—	—	—	279.3	10	1
2	281.5	1	263	1	271.5	1	267.5	1	274	3	281.5	1	—	—	280.5	2	—	—	—	—	—	—	—	—	—	—	274.2	10	2
3	274	1	258	1	267.5	1	263	1	268.4	3	276	1	—	—	274.8	2	—	—	—	—	—	—	—	—	—	—	268.8	10	3
4	268	1	250	1	260	1	256	1	262.4	3	269	1	—	—	272	2	—	—	—	—	—	—	—	—	—	—	262.5	10	4
5	262	1	243	1	252.5	1	248	1	256	3	262	1	—	—	266	2	—	—	—	—	—	—	—	—	—	—	255.6	10	5
6	258	1	237	1	245	1	239.5	1	249.3	3	254	1	—	—	258.8	2	—	—	—	—	—	—	—	—	—	—	248.1	10	6
7	244	1	230.5	1	238	1	232.5	1	241.2	3	246	1	—	—	251.5	2	—	—	—	—	—	—	—	—	—	—	240.5	10	7
8	236	1	224	1	231	1	226	1	232.9	3	238	1	—	—	244.3	2	—	—	—	—	—	—	—	—	—	—	233.2	10	8
9	227	1	219.5	1	224	1	218	1	224	3	232	1	—	—	238.3	2	—	—	—	—	—	—	—	—	—	—	226.1	10	9
10	217.5	1	222	1	218	1	218	1	216.3	3	225	1	—	—	229.5	2	—	—	—	—	—	—	—	—	—	—	221.2	10	10
11	215	1	222	1	213	1	218	1	217.5	3	224	1	—	—	222.5	2	—	—	—	—	—	—	—	—	—	—	218.9	10	11
12	—	—	222	1	213.5	1	218	1	218.8	3	224	1	—	—	220.3	2	—	—	—	—	—	—	—	—	—	—	219.4	9	12
13	—	—	222	1	219	1	218	1	219.7	3	227	1	—	—	221.3	2	—	—	—	—	—	—	—	—	—	—	221.2	9	13
14	—	—	221.5	1	219	1	218	1	219.2	2	226	1	—	—	220.8	2	—	—	—	—	—	—	—	—	—	—	220.8	8	14
15	—	—	221	1	218	1	218	1	219	2	—	—	—	—	227	1	—	—	—	—	—	—	—	—	—	—	220.6	6	15
16	—	—	220.5	1	—	—	—	1	220.5	1	—	—	—	—	227.5	1	—	—	—	—	—	—	—	—	—	—	222.8	4	16
17	—	—	—	—	—	—	—	1	224	1	—	—	—	—	227.5	1	—	—	—	—	—	—	—	—	—	—	225.8	3	17
18	—	—	—	—	—	—	—	1	226.5	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	226.5	2	18
19	—	—	—	—	—	—	—	—	227.5	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	227.5	1	19

MANCHESTER.

Height. km.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Year.		Height. km.
	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	°A.	No. of Ascents.	
Ground	278'4	1	277'5	1	278'0	15	283'8	1	285'7	2	290'9	2	288'5	1	288'9	3	288'9	1	—	0	280'5	2	—	0	284'1	29	Ground
1	282'5	1	270'5	1	269'0	15	280'3	1	280'5	2	283'7	2	277'5	1	281'6	3	277	1	—	—	273'8	2	—	—	277'6	29	1
2	280'8	1	264'3	1	265'0	15	271'5	1	272'8	2	276'0	2	276	1	276'5	3	275	1	—	—	265'8	2	—	—	272'4	29	2
3	274'5	1	259'0	1	260'6	15	267	1	267'3	2	268'9	2	271	1	273'4	3	267'5	1	—	—	259'8	2	—	—	266'9	29	3
4	267	1	251'3	1	255'4	15	261	1	262'7	2	266'5	2	265'3	1	266'2	3	264'5	1	—	—	252'8	2	—	—	261'3	29	4
5	260'5	1	244'0	1	249'7	15	254'5	1	255'5	2	257'3	2	259'8	1	260'3	3	260'5	1	—	—	244'8	2	—	—	254'7	29	5
6	254	1	235'5	1	244'2	15	245'8	1	249'3	2	249'4	2	254	1	255'3	3	255	1	—	—	238'2	2	—	—	248'1	29	6
7	247'5	1	228'0	1	237'4	15	238'8	1	240'4	2	239'4	2	247	1	249'7	3	248'5	1	—	—	230'9	2	—	—	240'8	29	7
8	244	1	222'2	1	230'5	15	231	1	231'8	2	235'5	1	239	1	242'3	3	241'5	1	—	—	228'7	2	—	—	234'7	28	8
9	233	1	225'0	1	224'7	14	222'5	1	222'7	2	226	1	232	1	235	3	234	1	—	—	231'3	2	—	—	228'6	27	9
10	221	1	225'5	1	218'8	13	220'5	1	216'3	2	221'5	1	224'8	1	226'1	3	228	1	—	—	231	1	—	—	223'4	25	10
11	211	1	225'5	1	216'9	13	222'5	1	213'5	2	219'8	1	221'3	1	218'8	3	223'5	1	—	—	229'5	1	—	—	220'2	25	11
12	209	1	224'3	1	217'3	13	223'8	1	216'8	2	221	1	221	1	218'3	3	217	1	—	—	227	1	—	—	219'6	24	12
13	211	1	—	—	219'0	12	223	1	216'9	2	223	1	222'5	1	221'8	3	211'5	1	—	—	225'5	1	—	—	219'4	23	13
14	213	1	—	—	220'2	11	222	1	216'2	2	222'5	1	222'8	1	221'7	3	216'5	1	—	—	225	1	—	—	220'0	22	14
15	213	1	—	—	221'3	9	221'5	1	215'8	2	221	1	221	1	221'3	3	218'5	1	—	—	224	1	—	—	219'7	20	15
16	213'5	1	—	—	221'6	7	222	1	215	2	222'5	1	220	1	221'9	3	217'5	1	—	—	223'5	1	—	—	219'7	18	16
17	213	1	—	—	221'3	6	222	1	—	1	—	—	218	1	222'4	2	217	1	—	—	223	1	—	—	219'5	15	17
18	212	1	—	—	220'4	4	222	1	—	—	—	—	—	—	222'2	2	216'5	1	—	—	222'5	1	—	—	219'3	10	18
19	—	—	—	—	221'0	2	222	1	—	—	—	—	—	—	224'3	1	—	—	—	—	—	—	—	—	222'4	4	19
20	—	—	—	—	—	—	222	1	—	—	—	—	—	—	223	1	—	—	—	—	—	—	—	—	222'3	2	20
21	—	—	—	—	—	—	222	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	222	1	21

Height and Temperature at which the Stratosphere or Advective Region was reached.

Month.				PYRTON HILL.			MANCHESTER.			DITCHAM PARK, PETERSFIELD.		
				Mean Height. H _c	Mean Temperature. T _c	No. of Ascents.	Mean Height. H _c	Mean Temperature. T _c	No. of Ascents.	Mean Height. H _c	Mean Temperature. T _c	No. of Ascents.
1910.				km.	°A.		km.	°A.		km.	°A.	
January	...	...	...	12.9	204	1	12.0	209	1	—	—	—
February	...	...	...	—	—	—	8.0	222.2	1	9.0	219.5	1
March	...	...	...	10.3	211.8	2	10.5	216.4	17	11.0	213	1
April	...	...	...	9.1	216.5	2	9.5	220.5	1	9.0	218	1
May	...	...	...	10.7	218.2	6	10.3	213.5	3	10.4	214.1	4
June	...	...	...	—	—	—	9.5	224.5	2	10.4	223.5	1
July	...	...	...	—	—	—	11.0	221.3	1	—	—	—
August	...	...	...	11.2	216.1	5	11.5	216.2	3	11.7	217.8	2
September	...	...	...	—	—	—	13.0	211.5	1	—	—	—
October	...	...	...	13.2	206.3	2	—	—	—	—	—	—
November	...	...	...	7.9	228.5	2	8.5	222.4	3	—	—	—
December	...	...	...	9.3	218.5	1	—	—	—	—	—	—
Year	...	...	...	10.6	215.0	21	10.4	217.8	33	10.3	217.7	10
Months	...	...	...	8	—	—	10	—	—	6	—	—

There were also ascents from Crinan (4) and Oughterard (2) which reached the Stratosphere.

Summary of Kite Ascents, 1910.

PYRTON HILL.

	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Year.—Mean of Monthly Means.	
	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	No. of As- cents.	Tem- pera- ture.	Total No. of As- cents.
													Interpolated for use in forming An- nual Mean. 290'0													
Surface	278'1	11	279'1	15	281'8	8	281'9	8	285'1	8	287'5	3			290'0	4	288'5	1	285'2	5	278'5	11	280'6	9	283'9	83
100 m. above surface.	278'3	7	278'5	14	280'8	8	281'5	6	283'9	8	286'7	3	288'4	—	288'4	4	287'5	1	284'2	5	277'9	11	280'1	8	283'0	75
500 m. above M.S.L.	275'5	10	276'6	15	278'8	8	278'7	8	281'4	8	284'0	3	286'3	—	285'5	4	285'5	1	281'9	5	276'1	11	278'6	8	280'7	81
1,000 m. above M.S.L.	272'7	7	274'2	9	274'7	5	276'0	7	280'2	8	280'0	2	282'8	—	282'8	4	285	1	282'8	2	274'9	7	275'5	5	278'5	57
1,500 m. above M.S.L.	—	—	271'5	2	—	—	281	1	—	—	278	1	—	—	—	—	—	—	—	—	274'5	1	—	—	—	—

BRIGHTON.

Surface	276'7	5	278'4	8	279'7	7	286	1	285'8	5	287'5	7	288'1	9	288'8	11	287'9	4	286'0	7	279'2	6	279'9	9	283'7	79
100 m. above surface.	278	1	278'3	6	278'6	7	283	1	285'2	5	285'8	5	286'7	8	286'3	6	283'7	3	282'8	6	277'6	4	277'9	7	282'0	59
500 m. above M.S.L.	274'4	4	276'3	8	275'5	6	280	1	282'7	5	283'9	6	283'9	9	284'2	8	280'2	3	281'2	7	274'5	4	275'1	7	279'4	68
1,000 m. above M.S.L.	265	1	272'3	3	272'7	3	276'5	1	276'5	2	281'3	2	280'3	6	282'8	4	273'5	1	277'8	2	266'5	1	270'5	6	274'6	32
1,500 m. above M.S.L.	265	1	269'?	1	275	1	—	—	—	—	—	—	282'0	2	275'0	1	—	—	—	—	—	—	265'2	1	—	—

Ascents were also made from Aldershot and from Ditcham Park, Petersfield.

The results given in this Supplement are stated in absolute or metric units. The units adopted for each element are as follows :—
ALTITUDE.—Metres (m.) or kilometres (km.). **DIRECTION.**—Angular Measures from North (360°) through East (90°).
PRESSURE.—Megadynes per Square Centimetre (mgd.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°; Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also p. 4, and the "Observer's Handbook," Ed. 1909, pp. 139-143.

Meteorological Office,
 March 31, 1910.

Thirty-third Year.
VOL. XXVII. [*New Series.*] } APPENDIX I.

FIRST QUARTER, 1910.

[Price 4d.]

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-THREE YEARS, 1878-1910.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.															Western Districts.															11. ENGLISH CHANNEL.	MEANS FOR DISTRICTS 1-10 COMBINED.														
	0. SCOTLAND, N.			1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			MEANS FOR EASTERN DISTRICTS.			6. SCOTLAND, W.			7. ENGLAND, N.W. AND NORTH WALES.			8. SOUTH WALES AND ENGLAND, S.W.							9. IRELAND, N.			10. IRELAND, S.			MEANS FOR WESTERN DISTRICTS.					
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.					Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.			
1878	74	13.3	90	40	5.8	81	45	5.1	52	4.4	94	43	3.8	67	42	5.1	44	4.8	119	53	11.5	97	51	7.2	92	41	6.1	66	60	8.3	93	52	7.8	76	51	8.2	86	56	6.1	77	48	6.5	84			
1879	54	7.8*	73	46	9.3	189	55	5.1	100	54	6.0	68	4.3	105	49	9.2	50	6.9	47	9.0	76	43	6.7	88	54	6.1	120	60	6.7	75	55	11.2	110	52	9.0	94	63	11.8	149	51	7.9	103				
1880	49	10.5	41	41	7.4	103	34	3.2	58	3.2*	128	35	4.3	74	38	4.6	37	4.6	49	10.8	91	40	6.2	79	47	6.9	104	49	7.5	84	50	9.8	96	47	8.2	85	50	6.0	76	42	6.4	83				
1881	60	13.1	89	46	9.9	138	51	6.3	124	47	5.5	117	42	6.4	110	39	6.7	112	45	7.0	121	46	10.0	84	42	8.6	110	45	9.7	104	51	7.7	87	44	8.7	85	46	8.9	95	51	9.0	114	46	8.0	104	
1882	72	14.8	101	48	7.0	97	32	3.1	61	3.3	4.1	87	35	5.6	60	36	4.7	81	6.2	105	49	7.8	100	49	7.8	101	76	6.3	83	63	8.3	93	59	9.7	95	56	9.1	95	48	5.8	73	46	6.9	90		
1883	65	12.8	87	52	8.8	132	53	5.8	114	51	6.2	132	49	7.4	128	49	7.5	125	51	7.1	121	56	12.8	108	51	8.5	109	55	10.4	112	63	10.2	115	57	13.8	135	56	11.1	116	63	8.8	111	54	9.1	118	
1884	68	17.3	118	52	8.6	119	44	6.2	122	42	3.7	79	47	6.7	116	48	6.7	112	47	6.4	110	58	18.0	151	57	11.5	147	62	12.2	131	70	12.2	131	67	15.4	151	58	13.9	145	59	9.2	116	56	10.1	131	
1885	63	13.0	88	46	7.3	101	45	4.4	86	48	5.1	109	50	6.1	105	45	7.3	122	47	6.0	109	57	12.5	105	53	7.7	99	54	9.1	98	57	8.4	94	58	11.8	116	56	9.9	103	62	8.2	104	52	8.0	104	
Lustrum ..	65	14.2	97	49	8.3	115	45	5.1	100	44	4.9	104	45	6.4	110	43	6.4	107	45	6.2	107	58	13.2	111	51	8.8	113	53	9.7	104	61	9.4	106	57	11.9	117	56	10.6	110	57	8.2	104	51	8.4	109	
1886	70	13.5	92	55	7.9	110	56	6.3	124	54	4.7	100	49	6.5	112	48	6.3	106	52	6.3	109	57	11.2	94	54	9.0	115	57	10.8	116	58	10.0	112	55	11.2	110	59	10.4	108	68	8.9	113	54	8.4	109	
1887	60	13.9	95	43	5.3	74	38	3.8	75	33	3.6	77	35	4.1	71	34	4.1	68	37	4.2	72	47	10.1	85	38	5.9	76	38	5.5*	59	47	7.3	82	40	7.6	75	42	4.3*	54	40	5.8	75				
1888	62	11.7	80	45	6.9	96	40	5.6	110	30	4.9	104	43	4.6	79	46	5.8	97	48	5.6	97	48	5.6	97	48	5.6	97	48	5.6	97	48	5.6	97	48	5.6	97	48	5.6	97	48	5.6	97	48	5.6	97	
1889	72	15.9	108	52	4.8	67	46	4.8	94	47	3.8	81	43	5.6	97	47	5.1	85	47	4.8	83	58	10.6	89	51	6.0	77	48	9.1	98	66	8.6	97	55	8.6	94	58	8.6	90	58	6.7	85	52	6.7	87	
1890	67	17.5	119	54	8.1	113	48	5.2	102	52	6.4	115	46	5.1	88	46	5.6	93	49	5.9	102	60	13.6	114	56	8.4	108	53	8.9	98	62	8.7	98	58	12.7	125	58	10.5	109	54	8.7	105	54	8.2	106	
Lustrum ..	66	14.5	99	52	6.6	92	47	5.1	100	47	4.5	96	43	5.2	90	44	5.4	93	47	5.4	93	53	10.8	91	50	6.9	88	49	8.3	89	56	8.4	94	50	9.5	93	52	8.8	92	57	7.1	90	49	7.1	92	
1891	65	14.7	100	38	5.1	71	43	3.7	73	43	3.6	77	37	4.1	71	38	5.8	97	40	4.5	78	47	9.2	77	35	4.4*	56	38	6.8	73	49	5.5*	62	42	5.6*	55	42	6.3*	66	43	6.2	78	41	5.4*	70	
1892	63	11.2	76	46	5.5	76	47	4.4	86	49	3.9	83	44	4.0	69	38	3.7	62	45	4.3	74	47	8.0	67	46	6.3	81	47	6.4	69	49	5.9	66	45	7.6	75	47	6.8	71	52	6.9	87	46	5.6	73	
1893	65	12.8	87	51	5.9	82	44	4.5	88	49	5.0	106	48	5.0	86	48	5.8	96	48	5.2	96	57	10.0	84	49	6.4	82	49	8.7	94	59	7.8	88	50	8.7	85	53	8.3	86	56	7.7	92	51	6.8	88	
1894	68	21.1	144	56	11.0	153	51	5.4	106	47	4.0	85	54	5.8	100	49	6.3	95	52	6.5	112	64	18.6	156	56	9.9	127	56	10.5	113	64	12.3	138	61	10.9	107	60	12.4	129	66	7.7	97	56	9.5	123	
1895	59	9.8	67	48	6.4	89	58	7.5	147	52	5.4	115	42	5.4	93	41	4.7	78	48	5.9	102	48	6.7*	56	48	6.7	86	46	8.1	87	56	7.7	87	48	9.5	93	49	7.7	80	53	7.3	92	49	6.8	88	
Lustrum ..	64	13.9	95	48	6.8	94	49	5.1	100	48	4.4	94	45	4.9	84	43	5.3	88	47	5.3	91	53	10.5	88	47	6.7	86	47	8.1	87	55	7.8	88	49	8.5	83	50	8.3	86	52	7.1	90	49	6.8	88	
1896	68	17.8	121	50	4.8	67	39	4.1	80	47	4.7	100	45	4.3	74	42	4.4	73	45	4.5	78	61	12.1	102	53	8.3	106	59	6.9	74	56	9.2	103	51	8.8	86	54	9.1	95	53	7.0	4.9	62	50	6.8	88
1897	65	11.0	75	57	6.9	96	69	6.4	125	57	6.6	140	54	7.9	136	52	9.2	158	56	7.4	128	58	11.1	93	61	7.9	101	63	13.0	148	66	9.6	108	61	11.8	116	62	10.7	111	70	11.6	147	69	9.1	118	
1898	77	18.7	127	52	4.8	67	44	3.4	67	44	3.4	79	39	2.9*	58	37	3.5*	58	32	3.6*	62	62	10.7	90	60	7.3	94	68	6.0	65	61	7.8	88	44	6.6	65	53	7.7	80	60	6.4	56	48	5.6	73	
1899	60	13.7	93	53	8.4	117	48	5.3	104	46	4.6	98	44	6.8	117	38	5.9	98	46	6.2	107	57	13.1	110	51	8.9	114	48	12.5	134	62	8.9	100	51	12.5	123	54	11.2	117	48	8.1	103	50	8.7	113	
1900	66	11.7	80	54	8.8	122	54	7.8†	153	55	7.5†	160	50	8.6†	148	50	9.3†	153	53	8.4†	145	54	10.6	89	52	9.2	118	56	13.5	145	60	8.2	92	56	9.9	97	56	10.3	107	65	12.4	157	56	9.4	122	
Lustrum ..	67	14.6	96	53	6.7	93	49	5.4	106	48	5.4	115	46	6.1	105	44	6.5	108	48	6.0	103	58	11.5	97	53	8.3	106	54	10.4	112	61	8.7	98	53	9.9	97	56	9.8	102	58	8.3	105	52	7.9	103	
1901	64	10.6	72	52	6.5	90	55	5.6	110	52	5.1	109	49	6.6	114	45	6.1	102	51	6.0	103	50	8.7	73	53	6.7	86	47	9.3	100	59	8.1	91	50	8.6	84	51	8.3	86	63	8.0	101	51	7.2	94	
1902	68	11.6	89	50	4.7*	68	42	3.2*	68	38	4.6	79	35	4.9	82	41	4.2	73	47	4.3	74	60	11.7	97	53	6.5	83	47	7.6	83	63	8.7	98	49	9.1	89	55	8.7	91	51	6.0	74	48	6.5	84	
1903	75	24.6†	167	60	12.6†	175	47	5.1	100	44	4.7	100	48	7.4	128	54	6.8	124	51	7.3	126	75	20.5†	172	63	11.9†	153	64	12.2	181	74	14.2†	160	70	15.7†	154	69	14.9†	155	66	8.8	111	60	11.1†	144	
1904	62	13.0	88	56	7.5	104	54	5.4	106	54	6.1	130	61	7.7	133	60	9.0	150	57	7.1	122	67	14.1	118	56	9.6	123	62	12.3	132	67	10.6	119	67	13.1	128	62	11.9	124	67	12.8†	162	60	9.5	123	
1905	78	19.9	136	56	6.5	90	39	3.0*	59	47	3.9	83	46	4.6	79	48	6.1	102	47	4.8	107	64	13.3	112	56	7.4	95	51	8.7	94	63	10.3	101	61	9.9	103	59	8.0	109	68	7.4	96				
Lustrum ..	69	16.5	112	55	7.6	106	47	4.6	90	48	4.6	98	48	6.2	107	48	6.6	110	49	5.9	102	61	13.7	115	56	8.4	108	54	10.0	108	67	10.3	116	60	11.4	112	60	10.8	113	61	8.7	110	55	8.4	109	
25 years average	66	14.7	—	51	7.2	—	47	5.1	—	47	4.7	—	46	5.8	—	44	6.0	—	47	5.8	—	57	11.9</																							

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in *italic type*. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in *clarendon type*. * Minimum and † Maximum values 1878-1910.

Meteorological Office, 63, Victoria Street, London, S.W.
April, 1910.

W. N. SHAW,
Director.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.														Western Districts.														11. ENGLISH CHANNEL.		DISTRICTS 1-10.	
	0. SCOT- LAND, N.		1. SCOT- LAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.E.		DISTRICTS 1-5.		6. SCOT- LAND, W.		7. ENGLAND, N.W. AND N. WALES.		8. S. WALES AND ENG- LAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		DISTRICTS 6-10.							
1878 ..	39.2	Diff.	39.3	Diff.	40.8	Diff.	40.6	Diff.	41.8	Diff.	41.7	Diff.	40.8	Diff.	41.6	Diff.	42.2	Diff.	44.2	Diff.	42.5	Diff.	45.1	Diff.	45.1	Diff.	43.1	Diff.	43.8	Diff.	42.0	Diff.
1879 ..	35.4	+ 0.9	33.4	+ 1.5	35.9	+ 3.2	36.5	+ 1.6	36.4	+ 2.7	37.8	+ 1.3	36.0	+ 3.1	36.1	+ 1.9	36.8	+ 3.2	40.8	+ 0.8	38.0	+ 2.9	40.5	+ 2.5	38.4	+ 2.6	42.4	+ 0.7	42.0	+ 1.9	37.2	+ 1.9
1880 ..	40.2	+ 1.9	38.3	+ 1.0	39.5	+ 0.4	39.2	+ 0.2	39.9	+ 0.8	40.5	+ 0.1	39.6	+ 0.5	40.6	+ 0.9	40.6	+ 0.6	43.5	+ 1.9	42.2	+ 1.3	44.1	+ 1.6	42.2	+ 1.2	44.4	+ 2.1	42.4	+ 2.1	40.9	+ 0.8
1881 ..	34.0*	- 4.3	32.4*	- 5.4	34.3*	- 4.8	36.1	- 2.9	35.8	- 3.3	38.2	- 2.2	35.4	- 3.7	35.0*	- 4.7	36.6	- 3.4	39.9	- 1.7	37.5	- 3.4	39.8	- 2.8	37.8	- 3.2	44.5	0.0	36.6	- 3.5	35.5	- 3.5
1882 ..	41.4†	+ 3.1	42.0†	+ 4.2	42.8†	+ 3.7	42.1	+ 3.1	42.6†	+ 3.5	43.5	+ 3.1	42.6†	+ 3.5	43.4†	+ 3.7	43.5†	+ 3.5	44.0†	+ 3.3	44.8†	+ 3.9	46.0†	+ 3.4	44.5†	+ 3.5	44.7	+ 0.2	43.6†	+ 3.5	38.6	+ 3.5
1883 ..	38.2	- 0.7	37.9	+ 0.1	38.8	- 0.3	39.0	0.0	39.2	+ 0.1	40.8	+ 0.4	39.1	0.0	40.0	+ 0.3	40.1	+ 0.1	42.2	+ 0.6	40.9	0.0	42.5	+ 0.1	41.1	+ 0.1	44.8	+ 0.3	40.1	0.0	39.7	+ 0.3
1884 ..	39.6	+ 1.3	40.2	+ 0.4	41.9	+ 2.8	42.4†	+ 3.4	42.6†	+ 3.5	43.8	+ 3.4	42.2	+ 3.1	42.0	+ 2.3	42.4	+ 2.4	44.5	+ 2.9	42.7	+ 1.8	44.8	+ 2.2	43.3	+ 2.3	46.5	+ 2.0	42.8	+ 2.0	40.7	+ 2.0
1885 ..	37.9	- 0.4	37.4	- 0.4	39.2	+ 0.1	39.2	+ 0.2	39.3	+ 0.2	40.7	+ 0.3	39.2	+ 0.1	39.3	- 0.4	39.7	- 0.3	41.9	+ 0.3	40.6	- 0.3	42.2	- 0.4	40.7	- 0.3	43.9	- 0.6	40.0	- 0.1	39.6	- 0.1
Lustrum ..	38.2	- 0.7	38.0	+ 0.2	39.4	+ 0.3	39.8	+ 0.8	39.9	+ 0.8	41.4	+ 1.0	39.7	+ 0.6	39.9	+ 0.9	40.5	+ 0.5	42.7	+ 1.1	41.3	+ 0.4	43.1	+ 0.5	41.5	+ 0.5	44.9	+ 0.4	40.6	+ 0.5	39.8	+ 0.5
1886 ..	36.1	- 2.2	35.1	- 2.7	36.2	- 2.9	35.6	- 3.4	36.0	- 3.1	37.2	- 3.2	36.0	- 3.1	36.9	- 2.8	36.9	- 3.1	38.4	- 3.2	38.6	- 2.3	40.0	- 2.6	38.2	- 2.8	42.0	- 2.5	37.1	- 3.0	36.0	- 3.0
1887 ..	39.5	+ 1.2	39.1	+ 1.3	38.7	- 0.4	37.5	- 1.5	37.8	- 1.3	38.7	- 1.7	38.4	- 0.7	39.8	+ 0.1	39.0	+ 1.0	40.4	+ 1.2	41.3	+ 0.4	42.3	+ 0.3	40.6	- 0.4	42.7	+ 1.8	39.5	- 0.8	38.9	- 0.8
1888 ..	36.5	- 1.8	36.3	- 1.5	37.3	- 1.8	36.5	- 2.5	36.8	- 2.3	37.4	- 3.0	36.9	- 2.2	38.0	- 1.7	37.7	- 2.3	38.5	- 3.1	39.4	- 1.5	40.5	- 2.1	38.8	- 2.2	41.6	- 2.9	37.9	- 2.2	37.0	- 2.2
1889 ..	38.7	+ 0.4	38.6	+ 1.0	38.6	+ 0.6	37.5	- 1.5	38.2	- 0.9	39.0	- 1.4	38.4	- 0.7	40.1	+ 0.4	39.7	- 0.3	40.8	- 0.8	41.3	+ 0.4	42.9	+ 0.3	41.0	0.0	44.1	+ 0.4	39.7	- 0.4	38.7	- 0.4
1890 ..	40.3	+ 2.0	39.8	+ 2.0	40.7	+ 1.6	40.1	+ 1.1	40.4	+ 1.3	41.6	+ 1.2	40.5	+ 1.4	41.3	+ 1.6	41.2	+ 1.2	42.7	+ 1.1	42.0	+ 1.1	43.5	+ 0.9	42.1	+ 1.1	45.7	+ 1.2	41.3	+ 1.2	40.6	+ 1.2
Lustrum ..	38.2	- 0.7	37.8	0.0	38.3	- 0.8	37.4	- 1.6	37.8	- 1.3	38.8	- 1.6	38.0	- 1.1	39.2	- 0.5	38.9	- 1.1	40.2	- 1.4	40.5	- 0.4	41.8	- 0.8	40.1	- 0.9	43.2	- 1.3	39.1	- 1.0	38.0	- 1.0
1891 ..	38.4	+ 0.1	38.0	+ 0.2	37.9	- 1.2	37.4	- 1.6	38.0	- 1.1	38.4	- 2.0	37.9	- 1.2	39.6	- 0.1	39.5	- 0.5	40.2	- 1.4	40.8	- 0.1	42.3	- 0.3	39.5	- 0.5	43.1	- 1.4	39.2	- 0.9	38.2	- 0.9
1892 ..	36.3	- 2.0	36.0	- 1.8	36.9	- 2.2	36.3	- 2.7	36.6	- 2.5	38.3	- 2.1	36.8	- 2.3	37.7	- 2.0	37.9	- 2.1	39.2	- 1.9	39.2	- 1.7	40.3	- 2.3	40.0	- 2.0	43.0	- 1.5	37.9	- 2.2	36.9	- 2.2
1893 ..	38.8	+ 0.5	38.8	+ 1.0	40.2	+ 1.1	39.8	+ 0.8	40.3	+ 1.2	41.3	+ 0.9	40.1	+ 1.0	40.6	+ 0.9	41.2	+ 1.2	42.8	+ 1.2	42.2	+ 1.3	43.8	+ 1.2	42.1	+ 1.1	46.0	+ 1.5	41.1	+ 1.0	40.0	+ 1.0
1894 ..	39.2	+ 0.9	38.8	+ 1.0	39.8	+ 0.7	40.0	+ 1.0	40.4	+ 1.3	41.8	+ 1.4	40.2	+ 1.1	41.0	+ 1.3	42.0	+ 2.0	42.7	+ 1.1	41.8	+ 0.9	43.6	+ 1.0	42.2	+ 1.2	45.5	+ 1.0	41.2	+ 1.0	40.1	+ 1.0
1895 ..	34.3	- 4.0	32.5	- 5.3	34.9	- 4.2	34.4*	- 4.6	33.6*	- 5.5	35.3*	- 5.1	34.1*	- 5.0	34.7	- 5.0	35.0*	- 5.0	36.4*	- 5.2	36.5*	- 4.4	38.4*	- 4.2	36.2*	- 4.8	39.9*	- 4.6	35.2*	- 4.9	34.0	- 4.9
Lustrum ..	37.4	- 0.9	36.8	- 1.0	37.9	- 1.2	37.6	- 1.4	37.8	- 1.3	39.0	- 1.4	37.8	- 1.3	38.7	- 1.0	39.1	- 0.9	40.4	- 1.2	40.1	- 0.8	41.7	- 0.9	40.0	- 1.0	43.5	- 1.0	38.9	- 1.2	37.9	- 1.2
1896 ..	41.0	+ 2.7	40.4	+ 2.6	41.2	+ 2.1	40.9	+ 1.9	41.4	+ 2.3	42.7	+ 2.3	41.3	+ 2.2	42.2	+ 2.2	42.5	+ 2.5	43.9	+ 2.3	43.4	+ 2.5	45.5	+ 2.9	43.5	+ 2.5	46.7	+ 2.2	42.4	+ 2.3	41.3	+ 2.3
1897 ..	37.5	- 0.8	37.4	- 0.4	39.4	+ 0.3	39.8	+ 0.8	39.8	+ 0.7	41.7	+ 1.3	39.6	+ 0.8	39.5	- 0.2	40.4	+ 0.4	42.5	+ 0.9	40.6	+ 0.3	42.8	+ 0.7	42.2	+ 0.2	45.7	+ 1.2	40.4	+ 0.8	39.4	+ 0.8
1898 ..	40.1	+ 1.8	40.3	+ 2.5	41.1	+ 2.0	40.5	+ 1.5	40.7	+ 1.6	42.2	+ 1.6	41.0	+ 1.9	42.0	+ 2.3	42.1	+ 2.1	43.0	+ 1.4	42.7	+ 1.8	44.3	+ 1.7	42.8	+ 1.8	45.8	+ 1.5	41.9	+ 1.3	40.3	+ 1.3
1899 ..	38.3	- 0.0	38.0	- 0.2	40.3	+ 1.2	41.1	+ 2.1	40.7	+ 1.6	42.7	+ 2.3	40.6	+ 1.5	40.6	+ 0.9	41.8	+ 1.8	43.4	+ 1.8	41.7	+ 0.8	43.8	+ 1.2	42.3	+ 1.3	46.8	+ 2.3	41.5	+ 1.4	40.0	+ 1.4
1900 ..	36.6	- 1.7	35.9	- 1.9	37.6	- 1.5	38.1	- 0.9	37.8	- 1.3	39.9	- 0.5	37.9	- 1.2	38.2	- 1.5	38.6	- 1.4	40.7	- 0.9	39.0	- 1.9	40.1	- 1.5	39.3	- 1.7	44.6	+ 0.1	38.6	- 1.5	37.5	- 1.5
Lustrum ..	38.7	+ 0.4	38.4	+ 0.6	39.9	+ 0.8	40.1	+ 1.1	40.1	+ 1.0	41.8	+ 1.4	40.1	+ 1.0	40.5	+ 0.8	41.1	+ 1.1	42.7	+ 1.1	41.5	+ 0.6	43.3	+ 0.7	41.8	+ 0.8	45.9	+ 1.4	41.0	+ 0.9	39.8	+ 0.9
1901 ..	38.0	- 0.3	37.0	- 0.8	38.0	- 1.1	37.2	- 1.6	37.3	- 1.7	38.5	- 1.9	37.6	- 1.5	39.0	- 0.7	38.5	- 1.5	39.7	- 1.9	40.0	- 0.9	40.8	- 1.8	39.6	- 1.4	43.2	- 1.3	38.6	- 1.5	37.6	- 1.5
1902 ..	37.9	+ 0.4	37.4	+ 0.4	39.5	+ 0.4	39.7	+ 0.7	39.8	+ 0.8	41.2	+ 0.8	39.5	+ 0.4	39.7	0.0	40.2	+ 0.2	42.1	+ 0.5	41.2	+ 0.3	43.2	+ 0.6	41.3	+ 0.3	45.3	+ 0.8	40.4	+ 0.3	39.4	+ 0.3
1903 ..	39.7	+ 1.4	39.7	+ 1.9	42.2	+ 3.1	43.3	+ 4.3	42.4	+ 3.3	44.1†	+ 3.7	42.3	+ 3.2	42.0	+ 2.3	42.9	+ 2.9	44.6	+ 3.0	42.4	+ 1.5	44.3	+ 1.7	43.2	+ 2.2	47.0†	+ 2.5	42.8	+ 2.4	41.7	+ 2.4
1904 ..	38.4	+ 0.1	37.4	- 0.4	38.9	- 0.2	38.2	- 0.2	38.9	- 0.2	40.2	- 0.2	38.9	- 0.2	39.4	- 0.2	39.6	- 0.6	41.6	- 0.7	42.0	- 0.7	42.0	- 0.6	40.5	- 0.4	44.2	- 0.3	39.7	- 0.4	38.7	- 0.4
1905 ..	40.1	+ 1.8	38.8	+ 2.0	41.0	+ 1.9	41.1	+ 2.1	40.9	+ 1.8	42.0	+ 1.6	41.0	+ 1.9	41.6	+ 1.9	41.8	+ 1.8	42.8	+ 1.2	42.3	+ 1.4	44.1	+ 1.6	42.5	+ 1.5	45.8	+ 1.2	41.8	+ 1.7	40.7	+ 1.7
Lustrum ..	38.8	+ 0.5	38.3	+ 0.5	39.9	+ 0.8	40.1	+ 1.1	39.9	+ 0.8	41.2	+ 0.8	39.9	+ 0.8	40.4	+ 0.7	40.6	+ 0.6	42.2	+ 0.6	41.2	+ 0.3	42.9	+ 0.3	41.4	+ 0.4	45.1	+ 0.6	40.7	+ 0.8	39.8	+ 0.8
25 yrs. Av.	38.3	—	37.8	—	39.1	—	39.0	—	39.1	—	40.4	—	39.1	—	39.7	—	40.0	—	41.6	—	41.3	—	42.6	—	41.0	—	44.5	—	40.1	—	38.9	—
1906 ..	37.7	- 0.6	37.8	0.0	39.7	+ 0.6	40.2	+ 1.2	40.0	+ 0.9	41.0	+ 0.6	39.7	+ 0.6	40.0	+ 0.3	40.2	+ 0.2	41.5	- 0.1	41.0	+ 0.1	43.0	+ 0.4	41.1	+ 0.1	44.8	+ 0.3	40.4	+ 0.3	39.4	+ 0.3
1907 ..	38.5	+ 0.2	38.4	+ 0.6	39.3	+ 0.2	38.9	- 0.1	39.3	+ 0.2	39.9	- 0.5	39.2	+ 0.1	40.2	+ 0.5	40.0	- 0.6	40.8	- 1.0	41.6	+ 0.7	43.1	+ 0.5	41.1	+ 0.1	44.2	- 0.3	40.2	+ 0.1	39.5	+ 0.1
1908 ..	38.8	+ 0.5	37.7	- 0.1	38.6	- 0.5	38.5	- 0.5	38.3	- 0.8	39.3	- 1.1	38.5	- 0.6	39.8	- 0.1	39.3	- 0.7	40.4	- 1.2	41.5	+ 0.8	42.4	+ 0.2	40.7	- 0.3	43.9	- 0.6	39.6	- 0.5	38.6	- 0.5
1909 ..	38.1	- 0.2	36.7	- 1.1	37.5	- 1.6	37.7	- 1.3	37.2	- 1.9	38.2	- 2.2	37.5	- 1.6	39.6	- 0.7	38.6	- 1.4	39.6	- 2.0	41.1	+ 0.2	42.2	- 0.4	40.1	- 0.9	43.5	- 1.0	38.8	- 1.3	37.7	- 1.3
1910 ..	38.3	- 0.9	38.2	+ 0.4	39.9	+ 0.8	40.6	+ 1.6	40.3	+ 1.2	41.6	+ 1.2	40.1	+ 1.0	40.3	+ 0.6	40.9	+ 0.8	42.4	+ 0.8	41.4	+ 0.5	42.7	+ 0.4	41.5	+ 0.5	45.6	+ 1.1	40.8	+ 0.7	39.8	+ 0.7
Lustrum ..	38.3	0.0	37.8	0.0	39.0	- 0.1	39.2	+ 0.2	39.0	- 0.1	40.0	- 0.4	39.0	- 0.1	39.9	+ 0.2	39.8	- 0.2	40.9	- 0.7	41.3	+ 0.4	42.7	+ 0.1	40.9	- 0.1	44.4	- 0.1	40.0	- 0.7	39.0	- 0.7

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes.
(Page [V.] 1908.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.										Western Districts.										11. ENGLISH CHANNEL.	DISTRICTS 1-10.							
	0. SCOT- LAND, N.		1. SCOT- LAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.E.		DISTRICTS 1-5.		6. SCOT- LAND, W.		7. ENGLAND, N.W. AND N. WALES.		8. S. WALES AND ENG- LAND, S.W.					9. IRELAND, N.		10. IRELAND, S.		DISTRICTS 6-10.	
	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.				Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.
1881	16	89	118	100	27	108	26	118	27	108	26	108	24	114	25	119	31	124	26	118	31†	124	27	117	32	103	27	113	
1882	15	83	127	108	24	96	21	95	27	108	25	104	15	71	16	76	23	92	23	105	32	92	20	87	32	103	22	92	
1883	22	122	118	130	125	21	124	29	132	31	124	29	121	25	119	27	129	31	124	24	109	28	112	27	117	38	123		
1884	16	89	118	100	27	108	26	118	27	108	26	108	24	114	25	119	31	124	26	118	31†	124	27	117	32	103	27	113	
1885	16	83	127	108	24	96	21	95	27	108	25	104	15	71	16	76	23	92	23	105	32	92	20	87	32	103	22	92	
Lustrum .. .	17	94	109	109	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1886	18	100	128	127	19	79	20	80	17	77	18	72	18	75	15	71	17	81	17	68	14	64	20	80	17	74	26	84	
1887	17	94	109	109	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1888	19	106	128	127	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1889	13	72	121	121	23	96	20	80	19	86	19	76	20	83	21	100	20	95	23	92	18	82	24	96	21	91	30	97	
1890	15	83	127	108	24	96	21	95	27	108	25	104	15	71	16	76	23	92	23	105	32	92	20	87	32	103	22	92	
Lustrum .. .	16	89	118	100	27	108	26	118	27	108	26	108	24	114	25	119	31	124	26	118	31†	124	27	117	32	103	27	113	
1891	21	117	123	123	28	117	29	116	27	123	28	112	28	117	25	119	26	124	30	120	27	123	30	120	28	122	41	132	
1892	23	128	118	128	28	117	24	96	24	109	27	108	26	108	25	119	26	124	31	124	23	105	27	108	26	113	30	97	
1893	19	106	128	127	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1894	19	106	128	127	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1895	22	122	118	130	125	21	124	29	132	31	124	29	121	25	119	27	129	31	124	24	109	28	112	27	117	38	123		
Lustrum .. .	21	117	123	123	28	117	29	116	27	123	28	112	28	117	25	119	26	124	30	120	27	123	30	120	28	122	41	132	
1896	14	78	122	100	20	83	20	80	19	86	20	83	16	76	15	71	17	81	17	68	14	64	20	80	17	74	26	84	
1897	16	89	118	100	27	108	26	118	27	108	26	108	24	114	25	119	31	124	26	118	31†	124	27	117	32	103	27	113	
1898	19	106	128	127	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1899	20	111	123	123	28	117	29	116	27	123	28	112	28	117	25	119	26	124	30	120	27	123	30	120	28	122	41	132	
1900	20	111	123	123	28	117	29	116	27	123	28	112	28	117	25	119	26	124	30	120	27	123	30	120	28	122	41	132	
Lustrum .. .	18	100	128	127	19	79	20	80	17	77	18	72	18	75	15	71	17	81	17	68	14	64	20	80	17	74	26	84	
1901	18	100	128	127	19	79	20	80	17	77	18	72	18	75	15	71	17	81	17	68	14	64	20	80	17	74	26	84	
1902	17	94	109	109	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1903	14	78	122	100	20	83	20	80	19	86	20	83	16	76	15	71	17	81	17	68	14	64	20	80	17	74	26	84	
1904	17	94	109	109	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1905	15	83	127	108	24	96	21	95	27	108	25	104	15	71	16	76	23	92	23	105	32	92	20	87	32	103	22	92	
Lustrum .. .	16	89	118	100	27	108	26	118	27	108	26	108	24	114	25	119	31	124	26	118	31†	124	27	117	32	103	27	113	
25 years average	18	—	22	—	24	—	25	—	22	—	25	—	24	—	21	—	21	—	25	—	22	—	25	—	23	—	31	—	
1906	19	106	128	127	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1907	19	106	128	127	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1908	17	94	109	109	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1909	17	94	109	109	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	
1910	22	122	118	130	125	21	124	29	132	31	124	29	121	25	119	27	129	31	124	24	109	28	112	27	117	38	123		
Lustrum .. .	19	106	128	127	22	92	25	100	22	100	25	100	24	100	19	90	19	90	24	96	22	100	25	100	22	96	32	103	

FOR OFFICIAL USE.
WEEKLY WEATHER REPORT, 1910.

Thirty-third Year.
VOL. XXVII. [New Series.]

APPENDIX I.

SECOND QUARTER, 1910.

[Price 4d.]

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-THREE YEARS, 1878-1910.
TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.										Western Districts.										MEANS FOR DISTRICTS 1-10 COMBINED.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.E.		MEANS FOR EASTERN DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.			Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
1878	38	4.7 ⁵⁷	38	7.7 ¹²⁰	44	7.6 ¹⁴⁶	54	8.2 ¹⁵²	56	9.2 ¹⁵⁶	51	8.4 ¹⁶²	48	8.2 ¹⁶⁸	48	9.1 ¹⁷⁵	48	8.3 ¹⁸²	58	11.6 ¹⁸⁸	49	9.1 ¹⁹⁵	49	8.5 ²⁰²	49	8.5 ²⁰⁹	49	8.5 ²¹⁶	49	8.5 ²²³	49	8.5 ²³⁰	49	8.5 ²³⁷	49	8.5 ²⁴⁴	49	8.5 ²⁵¹	49	8.5 ²⁵⁸	49	8.5 ²⁶⁵	49	8.5 ²⁷²	49	8.5 ²⁷⁹	49	8.5 ²⁸⁶	49	8.5 ²⁹³	49	8.5 ³⁰⁰	49	8.5 ³⁰⁷	49	8.5 ³¹⁴	49	8.5 ³²¹	49	8.5 ³²⁸	49	8.5 ³³⁵	49	8.5 ³⁴²	49	8.5 ³⁴⁹	49	8.5 ³⁵⁶	49	8.5 ³⁶³	49	8.5 ³⁷⁰	49	8.5 ³⁷⁷	49	8.5 ³⁸⁴	49	8.5 ³⁹¹	49	8.5 ³⁹⁸	49	8.5 ⁴⁰⁵	49	8.5 ⁴¹²	49	8.5 ⁴¹⁹	49	8.5 ⁴²⁶	49	8.5 ⁴³³	49	8.5 ⁴⁴⁰	49	8.5 ⁴⁴⁷	49	8.5 ⁴⁵⁴	49	8.5 ⁴⁶¹	49	8.5 ⁴⁶⁸	49	8.5 ⁴⁷⁵	49	8.5 ⁴⁸²	49	8.5 ⁴⁸⁹	49	8.5 ⁴⁹⁶	49	8.5 ⁵⁰³	49	8.5 ⁵¹⁰	49	8.5 ⁵¹⁷	49	8.5 ⁵²⁴	49	8.5 ⁵³¹	49	8.5 ⁵³⁸	49	8.5 ⁵⁴⁵	49	8.5 ⁵⁵²	49	8.5 ⁵⁵⁹	49	8.5 ⁵⁶⁶	49	8.5 ⁵⁷³	49	8.5 ⁵⁸⁰	49	8.5 ⁵⁸⁷	49	8.5 ⁵⁹⁴	49	8.5 ⁶⁰¹	49	8.5 ⁶⁰⁸	49	8.5 ⁶¹⁵	49	8.5 ⁶²²	49	8.5 ⁶²⁹	49	8.5 ⁶³⁶	49	8.5 ⁶⁴³	49	8.5 ⁶⁵⁰	49	8.5 ⁶⁵⁷	49	8.5 ⁶⁶⁴	49	8.5 ⁶⁷¹	49	8.5 ⁶⁷⁸	49	8.5 ⁶⁸⁵	49	8.5 ⁶⁹²	49	8.5 ⁶⁹⁹	49	8.5 ⁷⁰⁶	49	8.5 ⁷¹³	49	8.5 ⁷²⁰	49	8.5 ⁷²⁷	49	8.5 ⁷³⁴	49	8.5 ⁷⁴¹	49	8.5 ⁷⁴⁸	49	8.5 ⁷⁵⁵	49	8.5 ⁷⁶²	49	8.5 ⁷⁶⁹	49	8.5 ⁷⁷⁶	49	8.5 ⁷⁸³	49	8.5 ⁷⁹⁰	49	8.5 ⁷⁹⁷	49	8.5 ⁸⁰⁴	49	8.5 ⁸¹¹	49	8.5 ⁸¹⁸	49	8.5 ⁸²⁵	49	8.5 ⁸³²	49	8.5 ⁸³⁹	49	8.5 ⁸⁴⁶	49	8.5 ⁸⁵³	49	8.5 ⁸⁶⁰	49	8.5 ⁸⁶⁷	49	8.5 ⁸⁷⁴	49	8.5 ⁸⁸¹	49	8.5 ⁸⁸⁸	49	8.5 ⁸⁹⁵	49	8.5 ⁹⁰²	49	8.5 ⁹⁰⁹	49	8.5 ⁹¹⁶	49	8.5 ⁹²³	49	8.5 ⁹³⁰	49	8.5 ⁹³⁷	49	8.5 ⁹⁴⁴	49	8.5 ⁹⁵¹	49	8.5 ⁹⁵⁸	49	8.5 ⁹⁶⁵	49	8.5 ⁹⁷²	49	8.5 ⁹⁷⁹	49	8.5 ⁹⁸⁶	49	8.5 ⁹⁹³	49	8.5 ¹⁰⁰⁰	49	8.5 ¹⁰⁰⁷	49	8.5 ¹⁰¹⁴	49	8.5 ¹⁰²¹	49	8.5 ¹⁰²⁸	49	8.5 ¹⁰³⁵	49	8.5 ¹⁰⁴²	49	8.5 ¹⁰⁴⁹	49	8.5 ¹⁰⁵⁶	49	8.5 ¹⁰⁶³	49	8.5 ¹⁰⁷⁰	49	8.5 ¹⁰⁷⁷	49	8.5 ¹⁰⁸⁴	49	8.5 ¹⁰⁹¹	49	8.5 ¹⁰⁹⁸	49	8.5 ¹¹⁰⁵	49	8.5 ¹¹¹²	49	8.5 ¹¹¹⁹	49	8.5 ¹¹²⁶	49	8.5 ¹¹³³	49	8.5 ¹¹⁴⁰	49	8.5 ¹¹⁴⁷	49	8.5 ¹¹⁵⁴	49	8.5 ¹¹⁶¹	49	8.5 ¹¹⁶⁸	49	8.5 ¹¹⁷⁵	49	8.5 ¹¹⁸²	49	8.5 ¹¹⁸⁹	49	8.5 ¹¹⁹⁶	49	8.5 ¹²⁰³	49	8.5 ¹²¹⁰	49	8.5 ¹²¹⁷	49	8.5 ¹²²⁴	49	8.5 ¹²³¹	49	8.5 ¹²³⁸	49	8.5 ¹²⁴⁵	49	8.5 ¹²⁵²	49	8.5 ¹²⁵⁹	49	8.5 ¹²⁶⁶	49	8.5 ¹²⁷³	49	8.5 ¹²⁸⁰	49	8.5 ¹²⁸⁷	49	8.5 ¹²⁹⁴	49	8.5 ¹³⁰¹	49	8.5 ¹³⁰⁸	49	8.5 ¹³¹⁵	49	8.5 ¹³²²	49	8.5 ¹³²⁹	49	8.5 ¹³³⁶	49	8.5 ¹³⁴³	49	8.5 ¹³⁵⁰	49	8.5 ¹³⁵⁷	49	8.5 ¹³⁶⁴	49	8.5 ¹³⁷¹	49	8.5 ¹³⁷⁸	49	8.5 ¹³⁸⁵	49	8.5 ¹³⁹²	49	8.5 ¹³⁹⁹	49	8.5 ¹⁴⁰⁶	49	8.5 ¹⁴¹³	49	8.5 ¹⁴²⁰	49	8.5 ¹⁴²⁷	49	8.5 ¹⁴³⁴	49	8.5 ¹⁴⁴¹	49	8.5 ¹⁴⁴⁸	49	8.5 ¹⁴⁵⁵	49	8.5 ¹⁴⁶²	49	8.5 ¹⁴⁶⁹	49	8.5 ¹⁴⁷⁶	49	8.5 ¹⁴⁸³	49	8.5 ¹⁴⁹⁰	49	8.5 ¹⁴⁹⁷	49	8.5 ¹⁵⁰⁴	49	8.5 ¹⁵¹¹	49	8.5 ¹⁵¹⁸	49	8.5 ¹⁵²⁵	49	8.5 ¹⁵³²	49	8.5 ¹⁵³⁹	49	8.5 ¹⁵⁴⁶	49	8.5 ¹⁵⁵³	49	8.5 ¹⁵⁶⁰	49	8.5 ¹⁵⁶⁷	49	8.5 ¹⁵⁷⁴	49	8.5 ¹⁵⁸¹	49	8.5 ¹⁵⁸⁸	49	8.5 ¹⁵⁹⁵	49	8.5 ¹⁶⁰²	49	8.5 ¹⁶⁰⁹	49	8.5 ¹⁶¹⁶	49	8.5 ¹⁶²³	49	8.5 ¹⁶³⁰	49	8.5 ¹⁶³⁷	49	8.5 ¹⁶⁴⁴	49	8.5 ¹⁶⁵¹	49	8.5 ¹⁶⁵⁸	49	8.5 ¹⁶⁶⁵	49	8.5 ¹⁶⁷²	49	8.5 ¹⁶⁷⁹	49	8.5 ¹⁶⁸⁶	49	8.5 ¹⁶⁹³	49	8.5 ¹⁷⁰⁰	49	8.5 ¹⁷⁰⁷	49	8.5 ¹⁷¹⁴	49	8.5 ¹⁷²¹	49	8.5 ¹⁷²⁸	49	8.5 ¹⁷³⁵	49	8.5 ¹⁷⁴²	49	8.5 ¹⁷⁴⁹	49	8.5 ¹⁷⁵⁶	49	8.5 ¹⁷⁶³	49	8.5 ¹⁷⁷⁰	49	8.5 ¹⁷⁷⁷	49	8.5 ¹⁷⁸⁴	49	8.5 ¹⁷⁹¹	49	8.5 ¹⁷⁹⁸	49	8.5 ¹⁸⁰⁵	49	8.5 ¹⁸¹²	49	8.5 ¹⁸¹⁹	49	8.5 ¹⁸²⁶	49	8.5 ¹⁸³³	49	8.5 ¹⁸⁴⁰	49	8.5 ¹⁸⁴⁷	49	8.5 ¹⁸⁵⁴	49	8.5 ¹⁸⁶¹	49	8.5 ¹⁸⁶⁸	49	8.5 ¹⁸⁷⁵	49	8.5 ¹⁸⁸²	49	8.5 ¹⁸⁸⁹	49	8.5 ¹⁸⁹⁶	49	8.5 ¹⁹⁰³	49	8.5 ¹⁹¹⁰	49	8.5 ¹⁹¹⁷	49	8.5 ¹⁹²⁴	49	8.5 ¹⁹³¹	49	8.5 ¹⁹³⁸	49	8.5 ¹⁹⁴⁵	49	8.5 ¹⁹⁵²	49	8.5 ¹⁹⁵⁹	49	8.5 ¹⁹⁶⁶	49	8.5 ¹⁹⁷³	49	8.5 ¹⁹⁸⁰	49	8.5 ¹⁹⁸⁷	49	8.5 ¹⁹⁹⁴	49	8.5 ²⁰⁰¹	49	8.5 ²⁰⁰⁸	49	8.5 ²⁰¹⁵	49	8.5 ²⁰²²	49	8.5 ²⁰²⁹	49	8.5 ²⁰³⁶	49	8.5 ²⁰⁴³	49	8.5 ²⁰⁵⁰	49	8.5 ²⁰⁵⁷	49	8.5 ²⁰⁶⁴	49	8.5 ²⁰⁷¹	49	8.5 ²⁰⁷⁸	49	8.5 ²⁰⁸⁵	49	8.5 ²⁰⁹²	49	8.5 ²⁰⁹⁹	49	8.5 ²¹⁰⁶	49	8.5 ²¹¹³	49	8.5 ²¹²⁰	49	8.5 ²¹²⁷	49	8.5 ²¹³⁴	49	8.5 ²¹⁴¹	49	8.5 ²¹⁴⁸	49	8.5 ²¹⁵⁵	49	8.5 ²¹⁶²	49	8.5 ²¹⁶⁹	49	8.5 ²¹⁷⁶	49	8.5 ²¹⁸³	49	8.5 ²¹⁹⁰	49	8.5 ²¹⁹⁷	49	8.5 ²²⁰⁴	49	8.5 ²²¹¹	49	8.5 ²²¹⁸	49	8.5 ²²²⁵	49	8.5 ²²³²	49	8.5 ²²³⁹	49	8.5 ²²⁴⁶	49	8.5 ²²⁵³	49	8.5 ²²⁶⁰	49	8.5 ²²⁶⁷	49	8.5 ²²⁷⁴	49	8.5 ²²⁸¹	49	8.5 ²²⁸⁸	49	8.5 ²²⁹⁵	49	8.5 ²³⁰²	49	8.5 ²³⁰⁹	49	8.5 ²³¹⁶	49	8.5 ²³²³	49	8.5 ²³³⁰	49	8.5 ²³³⁷	49	8.5 ²³⁴⁴	49	8.5 ²³⁵¹	49	8.5 ²³⁵⁸	49	8.5 ²³⁶⁵	49	8.5 ²³⁷²	49	8.5 ²³⁷⁹	49	8.5 ²³⁸⁶	49	8.5 ²³⁹³	49	8.5 ²⁴⁰⁰	49	8.5 ²⁴⁰⁷	49	8.5 ²⁴¹⁴	49	8.5 ²⁴²¹	49	8.5 ²⁴²⁸	49	8.5 ²⁴³⁵	49	8.5 ²⁴⁴²	49	8.5 ²⁴⁴⁹	49	8.5 ²⁴⁵⁶	49	8.5 ²⁴⁶³	49	8.5 ²⁴⁷⁰	49	8.5 ²⁴⁷⁷	49	8.5 ²⁴⁸⁴	49	8.5 ²⁴⁹¹	49	8.5 ²⁴⁹⁸	49	8.5 ²⁵⁰⁵	49	8.5 ²⁵¹²	49	8.5 ²⁵¹⁹	49	8.5 ²⁵²⁶	49	8.5 ²⁵³³	49	8.5 ²⁵⁴⁰	49	8.5 ²⁵⁴⁷	49	8.5 ²⁵⁵⁴	49	8.5 ²⁵⁶¹	49	8.5 ²⁵⁶⁸	49	8.5 ²⁵⁷⁵	49	8.5 ²⁵⁸²	49	8.5 ²⁵⁸⁹	49	8.5 ²⁵⁹⁶	49	8.5 ²⁶⁰³	49	8.5 ²⁶¹⁰	49	8.5 ²⁶¹⁷	49	8.5 ²⁶²⁴	49	8.5 ²⁶³¹	49	8.5 ²⁶³⁸	49	8.5 ²⁶⁴⁵	49	8.5 ²⁶⁵²	49	8.5 ²⁶⁵⁹	49	8.5 ²⁶⁶⁶	49	8.5 ²⁶⁷³	49	8.5 ²⁶⁸⁰	49	8.5 ²⁶⁸⁷	49	8.5 ²⁶⁹⁴	49	8.5 ²⁷⁰¹	49	8.5 ²⁷⁰⁸	49	8.5 ²⁷¹⁵	49	8.5 ²⁷²²	49	8.5 ²⁷²⁹	49	8.5 ²⁷³⁶	49	8.5 ²⁷⁴³	49	8.5 ²⁷⁵⁰	49	8.5 ²⁷⁵⁷	49	8.5 ²⁷⁶⁴	49	8.5 ²⁷⁷¹	49	8.5 ²⁷⁷⁸	49	8.5 ²⁷⁸⁵	49	8.5 ²⁷⁹²	49	8.5 ²⁷⁹⁹	49	8.5 ²⁸⁰⁶	49	8.5 ²⁸¹³	49	8.5 ²⁸²⁰	49	8.5 ²⁸²⁷	49	8.5 ²⁸³⁴	49	8.5 ²⁸⁴¹	49	8.5 ²⁸⁴⁸	49	8.5 ²⁸⁵⁵	49	8.5 ²⁸⁶²	49	8.5 ²⁸⁶⁹	49	8.5 ²⁸⁷⁶	49	8.5 ²⁸⁸³	49	8.5 ²⁸⁹⁰	49	8.5 ²⁸⁹⁷	49	8.5 ²⁹⁰⁴	49	8.5 ²⁹¹¹	49	8.5 ²⁹¹⁸	49	8.5 ²⁹²⁵	49	8.5 ²⁹³²	49	8.5 ²⁹³⁹	49	8.5 ²⁹⁴⁶	49	8.5 ²⁹⁵³	49	8.5 ²⁹⁶⁰	49	8.5 ²⁹⁶⁷	49	8.5 ²⁹⁷⁴	49	8.5 ²⁹⁸¹	49	8.5 ²⁹⁸⁸	49	8.5 ²⁹⁹⁵	49	8.5 ³⁰⁰²	49	8.5 ³⁰⁰⁹	49	8.5 ³⁰¹⁶	49	8.5 ³⁰²³	49	8.5 ³⁰³⁰	49	8.5 ³⁰³⁷	49	8.5 ³⁰⁴⁴	49	8.5 ³⁰⁵¹	49	8.5 ³⁰⁵⁸	49	8.5 ³⁰⁶⁵	49	8.5 ³⁰⁷²	49	8.5 ³⁰⁷⁹	49	8.5 ³⁰⁸⁶	49	8.5 ³⁰⁹³	49	8.5 ³¹⁰⁰	49	8.5 ³¹⁰⁷	49	8.5 ³¹¹⁴	49	8.5 ³¹²¹	49	8.5 ³¹²⁸	49	8.5 ³¹³⁵	49	8.5 ³¹⁴²	49	8.5 ³¹⁴⁹	49	8.5 ³¹⁵⁶	49	8.5 ³¹⁶³	49	8.5 ³¹⁷⁰	49	8.5 ³¹⁷⁷	49	8.5<

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in clarendon type.

* Minimum and † Maximum values 1878-1910.

Meteorological Office, 63, Victoria Street, London, S.W.
July, 1910.

W. N. SHAW,
Director.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.														Western Districts.										11. ENGLISH CHANNEL.	DISTRICTS 1-10.			
	0. SCOT- LAND, N.		1. SCOT- LAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.E.		DISTRICTS 1-5.		6. SCOT- LAND, W.		7. ENGLAND, N.W. AND N. WALES.		8. S. WALES AND ENG- LAND, S.W.		9. IRELAND, N.		10. IRELAND, S.					DISTRICTS 6-10.	
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.				°	Diff.
1878	49° 0'	+ 1' 2"	49° 4'	+ 0' 8"	51° 3'	+ 1' 7"	53° 4'	+ 2' 5"	53° 7'	+ 2' 5"	54° 4'	+ 1' 9"	52° 4'	+ 1' 8"	52° 2'	+ 2' 3"	53° 0'	+ 1' 2"	52° 2'	+ 1' 7"	53° 2'	+ 1' 4"	52° 7'	+ 1' 7"	54° 6'	+ 1' 8"	52° 6'	+ 1' 8"	
1879	46° 8'	- 2' 0"	45° 7'	- 2' 9"	47° 1'	- 2' 5"	48° 4'	- 2' 9"	48° 4'	- 2' 8"	49° 4'	- 3' 1"	47° 8'	- 2' 8"	48° 0'	- 2' 9"	49° 5'	- 2' 3"	48° 0'	- 2' 5"	49° 5'	- 2' 3"	48° 6'	- 2' 4"	50° 4'	- 2' 5"	48° 2'	- 2' 6"	
1880	48° 3'	+ 0' 5"	48° 7'	+ 0' 1"	49° 1'	- 0' 5"	50° 7'	- 0' 6"	50° 3'	- 0' 9"	51° 6'	- 0' 9"	50° 1'	- 0' 5"	50° 0'	+ 0' 7"	50° 1'	- 0' 7"	51° 8'	- 0' 5"	50° 0'	- 0' 5"	50° 7'	- 0' 3"	51° 9'	- 1' 3"	50° 4'	- 0' 4"	
1881	47° 3'	- 0' 5"	48° 6'	- 0' 0"	50° 2'	+ 0' 6"	52° 2'	+ 0' 9"	52° 3'	+ 1' 1"	53° 1'	+ 0' 6"	51° 3'	+ 0' 7"	50° 3'	+ 0' 4"	51° 4'	+ 0' 6"	52° 0'	+ 0' 2"	51° 4'	+ 0' 5"	51° 5'	+ 0' 5"	53° 1'	- 0' 1"	51° 4'	+ 0' 6"	
1882	48° 2'	+ 0' 4"	48° 3'	- 0' 3"	50° 0'	+ 0' 4"	52° 0'	+ 0' 7"	51° 6'	+ 0' 4"	53° 4'	+ 0' 9"	51° 1'	+ 0' 5"	50° 2'	+ 0' 3"	51° 4'	+ 0' 6"	51° 9'	+ 0' 1"	50° 8'	+ 0' 3"	51° 7'	+ 0' 2"	53° 6'	+ 0' 4"	51° 2'	+ 0' 2"	
1883	48° 2'	+ 0' 4"	49° 0'	+ 0' 4"	49° 8'	+ 0' 2"	51° 7'	+ 0' 4"	51° 8'	+ 0' 4"	52° 5'	- 0' 0"	50° 9'	+ 0' 3"	49° 3'	- 0' 6"	50° 6'	- 0' 2"	51° 0'	- 0' 6"	50° 1'	- 0' 8"	50° 4'	- 0' 6"	52° 3'	- 0' 9"	50° 4'	- 0' 4"	
1884	47° 8'	0' 0"	48° 3'	- 0' 3"	49° 6'	0' 0"	50° 8'	- 0' 5"	50° 8'	- 0' 4"	52° 0'	- 0' 5"	50° 3'	- 0' 5"	49° 7'	- 0' 2"	50° 2'	- 0' 6"	51° 0'	- 0' 8"	50° 2'	- 0' 3"	50° 5'	- 0' 5"	52° 3'	- 0' 9"	50° 4'	- 0' 4"	
1885	46° 6'	- 1' 2"	47° 5'	- 1' 7"	48° 6'	- 1' 0"	50° 1'	- 1' 2"	49° 6'	- 1' 6"	51° 4'	- 1' 1"	49° 4'	- 1' 2"	47° 9'	- 2' 0"	48° 6'	- 2' 2"	49° 5'	- 2' 3"	48° 3'	- 2' 2"	49° 1'	- 2' 7"	50° 8'	- 2' 4"	49° 1'	- 1' 7"	
Lustrum	47° 6'	- 0' 8"	48° 3'	- 0' 3"	49° 6'	0' 0"	51° 4'	+ 0' 1"	51° 2'	0' 0"	52° 5'	0' 0"	50° 6'	0' 0"	49° 5'	- 0' 4"	50° 4'	- 0' 4"	51° 1'	- 0' 7"	50° 2'	- 0' 3"	51° 1'	- 0' 7"	50° 5'	- 0' 5"	52° 4'	- 0' 8"	
1886	46° 4'	- 1' 4"	46° 8'	- 1' 8"	47° 5'	- 2' 1"	50° 1'	- 1' 2"	49° 9'	- 1' 3"	51° 6'	- 0' 9"	49° 2'	- 1' 4"	47° 7'	- 2' 2"	49° 0'	- 1' 8"	50° 7'	- 1' 1"	48° 5'	- 1' 5"	49° 2'	- 1' 8"	51° 8'	- 1' 4"	49° 2'	- 1' 6"	
1887	48° 3'	+ 0' 5"	48° 9'	+ 1' 3"	49° 9'	+ 0' 3"	51° 0'	+ 0' 2"	52° 0'	- 0' 5"	50° 8'	- 0' 2"	50° 6'	- 0' 2"	50° 8'	- 0' 7"	50° 8'	0' 0"	52° 1'	+ 0' 3"	51° 8'	+ 0' 3"	52° 8'	+ 1' 0"	51° 6'	+ 0' 6"	52° 9'	+ 0' 3"	
1888	46° 1'	- 1' 7"	47° 1'	- 1' 5"	48° 0'	- 1' 6"	50° 1'	- 1' 2"	49° 9'	- 1' 3"	50° 7'	- 1' 8"	49° 2'	- 1' 4"	49° 0'	- 0' 9"	49° 5'	- 1' 3"	50° 3'	- 1' 5"	49° 6'	- 0' 9"	51° 3'	- 0' 5"	49° 9'	- 1' 1"	51° 6'	- 1' 3"	
1889	49° 7'	+ 1' 9"	50° 5'	+ 1' 9"	50° 9'	+ 1' 3"	52° 7'	+ 1' 4"	52° 8'	+ 1' 6"	54° 3'	+ 1' 8"	52° 2'	+ 1' 6"	51° 5'	+ 1' 6"	52° 2'	+ 1' 4"	52° 5'	+ 0' 7"	51° 3'	+ 0' 8"	51° 9'	+ 0' 9"	53° 7'	+ 0' 5"	52° 1'	+ 1' 3"	
1890	48° 0'	+ 0' 2"	48° 7'	+ 0' 1"	49° 4'	- 0' 2"	51° 0'	- 0' 3"	50° 6'	- 0' 8"	52° 2'	- 0' 3"	50° 4'	- 0' 2"	49° 8'	- 0' 1"	50° 6'	- 0' 2"	51° 5'	- 0' 3"	50° 5'	- 0' 3"	51° 6'	- 0' 2"	50° 8'	- 0' 2"	52° 6'	- 0' 6"	
Lustrum	47° 7'	- 0' 2"	48° 6'	0' 0"	49° 1'	- 0' 5"	51° 0'	- 0' 3"	50° 9'	- 0' 3"	52° 2'	- 0' 3"	50° 4'	- 0' 2"	49° 7'	- 0' 2"	50° 4'	- 0' 4"	51° 4'	- 0' 4"	50° 3'	- 0' 2"	51° 6'	- 0' 2"	50° 7'	- 0' 3"	52° 5'	- 0' 7"	
1891	47° 1'	- 0' 7"	47° 8'	- 0' 8"	48° 4'	- 1' 2"	50° 3'	- 1' 0"	50° 2'	- 1' 0"	51° 9'	- 0' 6"	49° 7'	- 0' 9"	49° 6'	- 0' 3"	50° 1'	- 0' 7"	51° 0'	- 0' 8"	50° 1'	- 0' 4"	51° 2'	- 0' 6"	50° 4'	- 0' 6"	52° 7'	- 0' 5"	
1892	46° 4'	- 1' 4"	47° 7'	- 0' 9"	49° 2'	- 0' 4"	51° 2'	- 0' 1"	51° 0'	- 0' 2"	52° 1'	- 0' 4"	50° 2'	- 0' 9"	49° 1'	- 0' 8"	50° 4'	- 0' 4"	51° 3'	- 0' 5"	50° 2'	- 0' 3"	51° 7'	- 0' 1"	50° 5'	- 0' 5"	53° 3'	- 0' 1"	
1893	50° 6'	+ 2' 8"	51° 4'	+ 2' 8"	51° 6'	+ 2' 0"	53° 8'	+ 2' 5"	54° 7'	+ 3' 5"	55° 9'	+ 3' 4"	53° 5'	+ 2' 9"	53° 1'	+ 3' 2"	54° 5'	+ 3' 7"	56° 0'	+ 4' 2"	54° 4'	+ 3' 9"	55° 6'	+ 3' 8"	57° 3'	+ 4' 1"	54° 1'	+ 3' 3"	
1894	47° 9'	+ 0' 1"	47° 9'	- 0' 7"	48° 9'	- 0' 7"	51° 1'	+ 0' 2"	50° 8'	- 0' 4"	52° 8'	+ 0' 3"	50° 3'	- 0' 3"	49° 6'	- 0' 3"	50° 8'	0' 0"	51° 6'	- 0' 2"	50° 1'	- 0' 4"	51° 7'	- 0' 1"	50° 8'	- 0' 2"	53° 5'	+ 0' 3"	
1895	48° 8'	+ 1' 0"	49° 7'	+ 1' 1"	50° 4'	+ 0' 8"	51° 9'	+ 0' 6"	52° 4'	+ 1' 2"	53° 1'	+ 0' 6"	51° 5'	+ 0' 9"	51° 1'	+ 1' 2"	51° 8'	+ 1' 0"	52° 7'	+ 0' 9"	51° 6'	+ 1' 1"	53° 6'	+ 0' 8"	52° 0'	+ 1' 0"	53° 7'	+ 0' 5"	
Lustrum	48° 2'	+ 0' 4"	48° 9'	+ 0' 3"	49° 7'	+ 0' 1"	51° 5'	+ 0' 2"	51° 8'	+ 0' 6"	53° 2'	+ 0' 7"	51° 0'	+ 0' 4"	50° 5'	+ 0' 6"	51° 5'	+ 0' 7"	52° 5'	+ 0' 7"	51° 3'	+ 0' 8"	52° 6'	+ 0' 9"	51° 7'	+ 0' 7"	54° 0'	+ 0' 8"	
1896	49° 4'	+ 1' 6"	51° 2'	+ 2' 6"	51° 4'	+ 1' 8"	52° 2'	+ 0' 9"	52° 8'	+ 1' 6"	53° 8'	+ 1' 3"	52° 3'	+ 1' 7"	52° 0'	+ 2' 1"	53° 1'	+ 2' 3"	53° 9'	+ 2' 1"	52° 7'	+ 2' 2"	53° 9'	+ 2' 1"	53° 1'	+ 2' 1"	55° 1'	+ 1' 9"	
1897	47° 0'	- 0' 8"	47° 8'	- 0' 8"	49° 2'	- 0' 4"	51° 7'	+ 0' 4"	51° 4'	+ 0' 2"	53° 3'	+ 0' 8"	50° 7'	- 0' 4"	49° 5'	- 0' 4"	50° 8'	0' 0"	52° 6'	+ 0' 8"	49° 6'	- 0' 1"	52° 0'	- 0' 1"	54° 1'	+ 0' 9"	50° 8'	+ 0' 0"	
1898	48° 0'	+ 0' 2"	48° 7'	+ 0' 1"	49° 5'	- 0' 1"	51° 0'	- 0' 3"	50° 7'	- 0' 5"	52° 2'	- 0' 3"	50° 4'	- 0' 2"	50° 3'	- 0' 4"	50° 9'	+ 0' 1"	51° 7'	- 0' 1"	50° 6'	+ 0' 1"	51° 9'	+ 0' 1"	51° 1'	+ 0' 1"	53° 4'	+ 0' 2"	
1899	47° 2'	- 0' 6"	48° 1'	- 0' 5"	49° 5'	- 0' 1"	51° 3'	0' 0"	51° 2'	0' 0"	52° 9'	+ 0' 4"	50° 6'	0' 0"	49° 7'	- 0' 2"	51° 1'	+ 0' 3"	52° 4'	+ 0' 6"	50° 5'	- 0' 0"	52° 4'	+ 0' 6"	51° 2'	+ 0' 2"	53° 4'	+ 0' 1"	
1900	48° 2'	+ 0' 4"	48° 7'	+ 0' 1"	50° 0'	+ 0' 4"	51° 5'	+ 0' 2"	51° 1'	- 0' 1"	52° 1'	- 0' 4"	50° 7'	+ 0' 1"	50° 5'	+ 0' 6"	50° 9'	+ 0' 1"	51° 4'	- 0' 4"	51° 0'	+ 0' 5"	52° 2'	+ 0' 4"	51° 2'	+ 0' 2"	51° 3'	- 1' 9"	
Lustrum	48° 0'	+ 0' 2"	48° 9'	+ 0' 3"	49° 9'	+ 0' 3"	51° 5'	+ 0' 2"	51° 4'	+ 0' 2"	52° 9'	+ 0' 4"	50° 9'	+ 0' 3"	50° 4'	+ 0' 5"	51° 4'	+ 0' 6"	52° 4'	+ 0' 6"	50° 9'	+ 0' 4"	52° 5'	+ 0' 7"	51° 5'	+ 0' 5"	53° 6'	+ 0' 4"	
1901	48° 4'	+ 0' 6"	48° 8'	+ 0' 2"	50° 3'	+ 0' 7"	51° 4'	+ 0' 1"	51° 5'	+ 0' 3"	52° 4'	- 0' 1"	50° 9'	+ 0' 3"	50° 1'	- 0' 2"	51° 4'	+ 0' 6"	52° 4'	+ 0' 6"	50° 1'	- 0' 4"	51° 6'	- 0' 2"	51° 1'	+ 0' 1"	53° 8'	+ 0' 6"	
1902	45° 7'	- 2' 1"	46° 1'	- 2' 5"	47° 7'	- 1' 9"	49° 4'	- 1' 9"	48° 8'	- 2' 4"	50° 0'	- 2' 5"	48° 4'	- 2' 2"	48° 2'	- 1' 7"	48° 9'	- 1' 9"	49° 8'	- 2' 0"	48° 4'	- 2' 1"	49° 9'	- 1' 9"	49° 0'	- 2' 0"	51° 9'	- 1' 3"	
1903	46° 9'	- 0' 9"	47° 9'	- 0' 7"	48° 7'	- 0' 9"	50° 6'	- 0' 9"	50° 0'	- 1' 2"	51° 5'	- 1' 0"	49° 7'	- 0' 9"	49° 4'	- 0' 5"	50° 3'	- 0' 5"	51° 4'	- 0' 4"	49° 9'	- 0' 6"	51° 5'	- 0' 3"	50° 5'	- 0' 5"	52° 9'	- 0' 3"	
1904	48° 1'	+ 0' 3"	48° 9'	+ 0' 3"	51° 1'	+ 1' 5"	52° 4'	+ 1' 1"	51° 3'	+ 0' 1"	52° 7'	+ 0' 2"	51° 3'	+ 0' 7"	50° 2'	+ 0' 3"	51° 1'	+ 0' 3"	51° 9'	+ 0' 1"	50° 2'	- 0' 3"	51° 8'	0' 0"	51° 0'	0' 0"	53° 6'	+ 0' 4"	
1905	47° 7'	- 0' 7"	48° 5'	- 0' 1"	50° 1'	+ 0' 5"	51° 9'	+ 0' 6"	51° 1'	- 0' 1"	52° 5'	0' 0"	50° 8'	+ 0' 2"	50° 3'	+ 0' 4"	50° 9'	+ 0' 1"	51° 9'	+ 0' 1"	50° 8'	+ 0' 3"	52° 8'	+ 1' 0"	51° 3'	+ 0' 3"	53° 5'	+ 0' 3"	
Lustrum	47° 4'	- 0' 4"	48° 0'	- 0' 6"	49° 6'	0' 0"	51° 1'	- 0' 2"	50° 5'	- 0' 7"	51° 8'	- 0' 7"	50° 2'	- 0' 4"	49° 6'	- 0' 3"	50° 5'	- 0' 3"	51° 5'	- 0' 3"	49° 9'	- 0' 6"	51° 5'	- 0' 3"	50° 6'	+ 0' 4"	53° 1'	- 0' 1"	
25 yrs. Av.	47° 8'	-	48° 6'	-	49° 6'	-	51° 3'	-	51° 2'	-	52° 5'	-	50° 6'	-	49° 9'	-	50° 8'	-	51° 8'	-	50° 5'	-	51° 8'	-	51° 0'	-	53° 2'	-	
1906	46° 4'	- 1' 4"	48° 1'	- 0' 5"	50° 0'	+ 0' 4"	50° 9'	- 0' 4"	50° 6'	- 0' 6"	51° 2'	- 1' 3"	50° 2'	- 0' 4"	49° 7'	- 0' 2"	50° 2'	- 0' 6"	50° 7'	- 1' 1"	49° 1'	- 1' 4"	51° 0'	- 0' 8"	50° 1'	- 0' 9"	52° 5'	- 0' 7"	
1907	46° 3'	- 1' 5"	46° 7'	- 1' 9"	49° 3'	- 0' 3"	51° 1'	- 0' 2"	49° 8'	- 1' 4"	51° 1'	- 1' 4"	50° 2'	- 0' 4"	48° 4'	- 1' 5"	49° 1'	- 1' 7"	49° 8'	- 2' 0"	48° 3'	- 2' 2"	49° 9'	- 1' 9"	49° 1'	- 1' 9"	52° 0'	- 1' 2"	
1908	46° 3'	- 1' 5"	47° 5'	- 1' 1"	49° 6'	0' 0"	51° 1'	- 0' 2"	50° 6'	- 0' 6"	51° 6'	- 0' 9"	50° 1'	- 0' 5"	49° 1'	- 0' 8"	49° 8'	- 1' 0"	50° 8'	- 1' 0"	49° 4'	- 1' 4"	50° 9'	- 0' 9"	49° 9'	- 1' 1"	52° 7'	- 0' 5"	
1909	47° 6'	- 0' 2"	48° 0'	- 0' 8"	50° 0'	+ 0' 4"	51° 2'	+ 0' 1"	50° 9'	- 0' 3"	51° 7'	- 0' 8"	50° 4'	- 0' 2"	49° 9'	- 0' 5"	50° 5'	- 0' 3"	51° 5'	- 0' 3"	50° 4'	- 0' 3"	51° 0'	+ 0' 2"	50° 9'	+ 0' 2"	51° 9'	+ 0' 7"	
1910	47° 8'	0' 0"	47° 9'	- 0' 7"	50° 3'	+ 0' 7"	52° 3'	+ 1' 0"	51° 9'	+ 0' 7"	52° 8'	+ 0' 3"	51° 4'	+ 0' 2"	50° 0'	+ 0' 1"	51° 0'	+ 0' 2"	51° 6'	- 0' 2"	49° 9'	- 0' 6"	51° 6'	- 0' 2"	50° 8'	- 0' 2"	52° 9'	- 0' 3"	
Lustrum	46° 9'	- 0' 9"	47° 6'	- 1' 0"	49° 8'	+ 0' 2"	51° 3'	0' 0"	50° 8'	- 0' 4"	51° 7'	- 0' 8"	50° 4'	- 0' 2"	49° 4'	- 0' 5"	50° 1'	- 0' 7"	50° 9'	- 0' 9"	49° 4'	- 1' 1"	51° 1'	- 0' 7"	50° 2'	- 0' 8"	52° 8'	- 0' 4"	

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes.
(Page [V.] 1906.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.										Western Districts.										11. ENGLISH CHANNEL	DISTRICTS 1-10.								
	0. SCOT- LAND, N.		1. SCOT- LAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES		5. ENGLAND, S.E.		DISTRICTS 1-5.		6. SCOT- LAND, W.		7. ENGLAND, N.W. AND N. WALES.		8. S. WALES AND ENG- LAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		DISTRICTS 6-10.			
	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.			Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.
1881	47	102	53	104	61	113	64	110	55	106	62	107	59	107	59	109	58	106	61	105	52	104	55	100	57	108	69	100	58	107
1882	51	111	54	106	64	119	61	105	56	108	63	109	56	102	61	113	59	107	60	103	51	102	58	105	54	100	72	104	54	100
1883	43	94	50	98	52	96	50	103	48	96	58	100	54	98	52	96	55	100	55	95	51	102	58	105	49	91	70	101	50	93
1884	40	87	44	86	46	85	48	100	45	92	48	83	51	93	47	87	51	93	55	95	41	82	49	89	51	94	68	99	52	96
1885	44	96	49	96	46	85	58	100	53	102	58	100	53	96	50	93	49	89	53	91	48	96	54	98	54	100	70	101	54	100
Lustrum	45	98	50	98	56	104	60	103	52	100	56	97	55	100	54	100	54	98	57	98	50	100	56	102	54	100	70	101	54	100
1886	46	100	50	98	49	78	52	90	43	83	55	95	48	87	45	83	43	78	52	90	42	81	45	82	45	83	63	91	47	87
1887	34	74	52	102	54	100	61	105	58	112	63	109	58	105	62	115	63	115	69	119	60	121	65	129	65	120	74	107	61	113
1888	46	100	56	110	49	91	49	84	44	85	47	81	49	89	54	100	47	85	50	86	49	98	51	93	50	93	63	91	50	93
1889	32	78	51	94	51	94	49	84	44	85	48	83	49	89	53	98	52	95	54	93	44	88	52	95	51	94	58	84	50	93
1890	44	96	48	94	48	89	56	97	49	94	53	91	51	93	53	98	47	85	50	86	50	100	50	91	50	93	62	90	50	93
Lustrum	41	89	51	100	49	91	53	91	48	92	53	91	51	93	53	98	50	91	55	95	49	98	54	98	52	96	64	93	52	96
1891	56	122	53	104	51	94	47	81	46	88	56	97	51	93	54	100	48	87	53	91	50	100	53	96	52	96	69	100	52	96
1892	50	109	59	116	58	107	64	110	61	117	69	119	62	113	57	106	59	107	61	105	54	108	58	105	58	107	79	114	60	111
1893	46	100	54	106	65	120	71	122	66	127	74	128	66	120	61	113	62	113	76	131	50	100	58	105	61	113	93	135	64	119
1894	53	115	48	94	49	91	49	84	47	90	55	95	50	91	49	91	49	89	54	93	45	90	49	89	49	91	61	88	49	91
1895	49	107	60	118	61	113	62	107	61	117	64	110	62	113	58	107	59	107	69	119	59	118	60	109	61	113	75	109	62	115
Lustrum	51	111	55	108	57	106	59	102	56	108	64	110	58	105	56	104	55	100	63	109	52	104	56	102	56	104	75	109	57	106
1896	46	100	56	108	58	107	61	105	58	112	63	109	59	107	61	113	53	115	68	117	52	104	60	109	61	113	77	112	60	111
1897	55	120	51	100	58	107	58	100	55	106	61	105	57	104	53	93	59	107	59	107	46	92	48	87	53	98	64	93	55	102
1898	45	98	47	92	45	80	49	84	48	92	49	84	47	85	50	93	52	95	57	98	48	96	51	93	52	96	65	94	49	91
1899	49	107	53	104	52	96	59	102	54	104	63	109	56	102	52	96	57	104	60	103	52	104	59	107	56	104	70	101	56	104
1900	41	89	44	86	46	85	57	98	48	92	59	102	51	93	51	94	55	100	55	95	47	94	50	91	52	96	67	97	52	96
Lustrum	47	102	50	98	51	94	57	98	53	102	59	102	54	98	53	98	57	104	60	103	49	98	54	98	55	102	69	100	54	100
1901	53	115	62	122	71	131	73	126	64	123	70	121	68	124	65	120	70	127	67	116	59	118	62	113	65	120	76	110	67	124
1902	46	100	46	90	56	104	55	95	49	94	53	91	52	95	49	91	57	104	51	88	50	100	52	95	52	96	61	88	52	96
1903	42	91	45	83	54	100	55	95	48	92	50	103	52	95	52	96	57	104	55	95	42	84	50	91	51	94	66	96	51	94
1904	48	104	49	96	51	94	55	95	49	94	55	95	52	95	51	94	55	95	56	95	48	96	52	95	52	96	63	91	52	96
1905	50	109	52	102	50	93	56	97	48	92	55	95	52	95	59	109	56	102	53	91	60	120	54	98	56	104	62	90	54	100
Lustrum	48	104	51	100	56	104	59	102	52	100	59	102	55	100	55	102	59	107	56	97	52	104	54	98	55	102	66	96	55	102
25 years average	46	—	51	—	54	—	58	—	52	—	58	—	55	—	54	—	55	—	58	—	50	—	55	—	54	—	69	—	54	—
1906	43	93	51	100	54	100	64	110	53	102	66	114	57	104	51	94	52	95	59	102	48	96	55	100	53	98	68	99	55	102
1907	42	91	41	80	45	83	49	84	42	81	51	83	46	81	41	76	45	79	45	79	40	85	42	82	43	80	53	77	44	82
1908	44	96	50	98	50	93	53	100	51	98	51	105	54	98	54	100	54	98	57	98	48	96	49	89	52	96	62	90	53	98
1909	46	100	53	104	55	102	66	114	59	113	70	121	61	111	61	113	64	116	67	116	54	108	68	105	61	113	80	116	61	113
1910	48	104	49	96	48	89	56	97	49	92	55	95	51	93	53	98	52	95	55	95	46	92	49	89	51	94	61	88	51	94
Lustrum	45	98	49	96	50	93	59	102	51	98	61	105	54	98	52	96	53	96	57	98	47	94	51	93	52	96	65	94	53	98

WEEKLY WEATHER REPORT, 1910.

Thirty-third Year.
VOL. XXVII. [New Series.]

APPENDIX I.

THIRD QUARTER, 1910.

[Price 4d.]

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-THREE YEARS, 1878-1910.
TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881-1905.

TABLE OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881-1905.																																
YEARS.	Eastern Districts.															Western Districts.															MEANS FOR DISTRICTS 1-10 COMBINED.	
	0. SCOTLAND, N.		1. SCOTLAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.E.		MEANS FOR EASTERN DISTRICTS.		6. SCOTLAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.					
	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.	Days.	Amount.		
1878	51	10.5	47	9.5	46	8.4	48	6.5	43	9.1	40	7.5	44	8.2	47	11.0	48	10.8	44	9.2	55	8.1	51	10.5	48	9.9	52	8.5	113	9.1		
1879	59	12.8	55	11.6	53	9.0	52	8.0	51	11.4	56	11.2	55	10.8	64	16.5	62	13.9	61	12.9	68	15.5	64	12.4	64	14.2	63	10.3	137	10.3		
1880	40	9.8	46	9.1	45	10.5	46	9.4	44	11.2	43	9.4	46	9.9	46	8.9	46	8.9	47	7.7	83	5.4	49	10.8	48	9.6	55	8.0	107	9.8		
1881	49	8.5	70	10.8	51	10.3	51	8.0	47	8.3	47	8.2	49	9.1	55	11.3	50	11.0	49	9.4	101	8.6	83	10.3	54	10.1	98	7.8	104	9.6		
1882	60	10.7	57	9.5	56	6.9	59	4.8	55	8.1	56	8.2	56	7.8	106	12.9	105	11.5	121	13.2	142	11.5	111	11.1	111	12.0	117	5.9	8.1	108		
1883	59	11.1	57	11.8	51	8.3	52	7.6	50	8.2	49	6.9	52	7.8	121	14.2	105	11.5	103	10.1	109	11.4	110	11.1	128	11.4	111	6.2	9.5	127		
1884	53	10.3	55	10.3	57	7.4	57	5.3	56	8.5	50	8.2	52	7.8	107	12.9	107	11.0	108	10.2	101	9.5	92	10.2	98	9.8	93	5.2	7.1	95		
1885	50	10.6	45	7.1	36	5.7	81	3.6	35	5.8	33	5.1	37	5.9	82	11.6	95	4.3	82	4.2	51	9.9	46	9.9	46	9.6	45	5.7	76	4.2		
Lustrum ..	56	10.2	51	9.3	46	7.3	45	7.0	45	7.5	44	6.6	46	7.5	53	12.3	49	9.8	103	10.2	108	10.3	99	10.2	102	10.5	102	5.4	7.6	101		
1886	59	11.4	43	5.9	41	6.8	38	6.1	39	6.4	35	5.8	39	6.2	48	11.4	93	4.2	103	10.8	40	9.3	100	5.4	9.3	89	5.3	10.9	106	4.8		
1887	63	11.1	52	7.6	44	6.1	38	4.2	36	5.2	35	5.8	42	5.9	82	10.8	89	4.3	7.1	75	37	7.3	78	5.6	10.9	106	4.7	10.2	99	4.8		
1888	55	10.0	52	7.1	49	9.2	53	7.9	48	7.9	46	7.9	46	7.9	116	11.0	50	8.0	111	10.3	105	9.5	91	4.4	8.4	84	4.0	6.2	83	4.3		
1889	58	11.9	58	8.8	104	4.8	7.7	110	4.8	8.5	129	4.4	7.8	111	4.1	6.6	97	4.6	7.9	110	51	10.8	89	4.8	10.2	107	5.0	9.1	104	5.1		
1890	65	13.2	108	5.4	99	4.8	6.8	119	4.4	6.8	103	4.7	6.8	94	4.4	8.6	126	4.7	7.7	107	54	12.0	98	5.3	9.2	97	5.2	9.8	105	6.5		
Lustrum ..	60	11.5	51	7.6	46	7.6	45	6.9	45	6.8	47	6.9	45	7.2	100	10.9	89	4.7	9.3	98	48	9.1	96	5.8	10.3	99	5.0	9.1	91	5.0		
1891	71	15.9	131	5.9	117	138	5.1	8.8	126	5.1	8.0	121	5.2	7.9	113	11.3	52	9.0	132	5.3	9.1	126	6.2	14.9	122	5.5	13.8	145	5.6	12.9	139	
1892	66	15.0	124	5.1	8.3	98	4.4	6.8	94	4.0	7.7	117	4.6	7.5	107	4.4	8.4	124	4.5	7.7	107	5.3	15.5	127	5.3	12.1	127	5.1	10.0	108	6.6	
1893	70	16.7	134	5.5	8.1	95	4.9	6.8	97	4.5	6.5	83	4.3	6.8	97	5.1	8.6	103	4.7	7.0	93	5.3	11.3	93	5.4	10.4	110	4.7	9.9	106	6.0	
1894	53	10.5	87	4.8	8.9	105	4.9	6.2	89	5.4	7.2	109	4.4	6.8	97	5.1	8.2	135	4.9	7.7	107	4.0	7.3	80	4.4	8.0	84	5.2	10.7	115	5.4	
1895	63	14.0	116	5.1	9.6	113	4.4	7.9	113	3.4	7.8	118	4.0	6.6	94	3.7	8.2	106	4.1	7.7	107	54	12.0	104	4.6	9.3	98	4.8	8.3	113	4.9	
Lustrum ..	65	14.2	117	5.3	9.3	109	4.7	7.3	104	4.5	7.2	109	4.5	7.0	100	4.5	8.1	119	4.7	7.8	108	52	12.3	101	5.0	10.7	98	4.3	10.4	106	5.1	
1896	59	13.5	112	5.9	9.3	109	5.2	6.9	99	4.9	7.7	117	5.1	8.3	119	4.6	9.1	134	5.1	11.5	60	13.9	114	5.5	11.3	119	4.9	10.0	108	6.6	10.4	100
1897	58	12.2	101	5.3	7.7	91	4.2	7.4	106	4.1	6.5	95	4.2	7.4	106	4.1	6.6	97	4.4	7.1	99	5.5	12.2	100	4.7	10.0	105	5.3	11.7	108	6.4	
1898	57	13.1	108	4.3	6.5	77	3.0	3.8	54	2.1	2.7	41	2.5	4.2	60	1.9	2.8	4.1	22	4.0	56	4.9	11.4	93	4.0	7.2	76	2.9	5.4	68	5.8	
1899	55	12.2	101	4.7	7.6	89	3.8	5.6	80	3.4	5.0	76	3.3	5.1	73	2.8	5.4	79	3.6	5.7	84	3.7	6.4	80	4.3	12.4	102	4.4	7.8	82	4.4	
1900	60	12.9	107	5.0	9.6	113	3.5	7.3	104	3.2	5.3	80	3.1	6.1	87	2.9	4.1	60	3.5	6.5	90	5.7	14.0	116	4.2	9.5	100	4.3	6.6	43	6.6	
Lustrum ..	58	12.8	106	5.0	8.1	95	3.9	6.2	89	3.5	5.4	82	3.6	6.2	89	3.3	5.6	82	3.9	6.3	88	5.5	12.2	100	4.6	9.4	99	4.2	8.1	87	5.6	
1901	52	9.9	82	4.6	6.9	81	3.3	5.4	77	2.8	4.1	62	3.0	7.6	109	2.9	7.2	106	3.3	6.2	80	5.1	11.2	92	4.1	6.4	67	4.0	8.6	92	5.6	
1902	65	10.1	83	5.3	6.9	81	4.6	5.4	77	4.0	6.5	98	4.5	6.4	91	4.3	6.8	100	4.5	6.4	89	5.2	12.0	98	4.2	6.4	67	4.6	7.4	80	6.2	
1903	67	15.3	126	6.3	11.3	133	5.6	10.1	143	4.9	10.8	161	5.1	10.2	146	5.2	9.9	146	5.4	10.4	144	5.9	17.2	141	5.8	13.3	140	5.6	12.4	133	7.0	
1904	58	11.5	95	4.8	7.3	86	3.5	6.1	87	3.3	5.6	85	3.4	7.4	106	3.5	5.7	84	3.7	6.4	89	4.3	12.4	102	4.4	7.8	82	4.4	9.5	102	6.0	
1905	72	13.1	108	5.6	7.6	88	4.0	5.8	83	3.2	4.9	74	4.0	6.1	87	3.7	5.6	82	4.1	6.0	83	5.1	12.2	100	5.0	8.3	87	4.4	7.5	81	5.9	
Lustrum ..	63	12.0	94	5.3	8.0	94	4.2	6.6	94	3.6	6.3	95	4.0	7.5	107	3.9	7.0	105	4.2	7.1	99	5.1	13.0	107	4.9	8.4	88	4.6	9.1	98	6.1	
25 years average	59	12.1	51	8.5	44	7.0	41	6.6	42	7.0	40	6.8	44	7.2	53	12.2	49	9.5	47	9.3	59	10.4	51	10.0	52	10.3	48	7.5	48	8.8	—	—
1906	56	11.5	46	7.4	37	3.3	4.4	63	2.4	3.2	48	3.0	3.4	49	2.8	2.9	4.3	59	4.9	10.4	85	4.3	7.1	75	3.8	5.6	60	5.4	7.5	72	4.9	
1907	64	10.4	86	5.3	6.9	81	3.8	3.8	54	3.3	3.6	55	4.0	6.0	86	3.6	4.0	59	4.0	9.8	79	4.7	7.1	75	4.2	7.3	78	5.5	8.1	78	5.3	
1908	63	11.4	84	4.9	8.7	102	4.8	6.2	89	4.6	7.0	106	4.4	7.5	107	4.0	7.6	112	4.6	7.4	103	5.2	11.4	120	4.6	10.1	109	5.5	11.7	113	5.5	
1909	62	9.5	79	5.2	7.6	89	5.1	8.3	119	5.1	6.9	105	5.1	8.2	117	4.7	8.6	120	5.1	7.9	110	5.0	10.7	88	5.2	10.2	107	4.8	8.6	92	5.9	
1910	52	9.5	74	4.5	9.2	108	4.3	6.3	90	4.6	5.9	89	3.8	6.4	91	3.5	5.0	74	4.1	6.6	93	4.8	12.9	106	4.4	8.8	93	3.9	8.3	89	4.7	
Lustrum ..	59	10.5	87	4.6	8.0	94	4.3	5.8	83	4.0	5.3	80	4.1	6.3	90	3.7	5.6	82	4.2	6.2	86	4.9	11.4	93	4.8	8.9	94	4.3	8.0	86	5.4	
An investigation recently carried out has shown that in some districts the selection of stations has not been made so judiciously as to make them as comparable as possible.																																

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in clarendon type.

Meteorological Office, South Kensington, London, S.W.
October 29, 1910.

W. N. SHAW,
Director.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.														Western Districts.										11. ENGLISH CHANNEL.	DISTRICTS 1-10.				
	0.		1.		2.		3.		4.		5.		DISTRICTS 1-5.	6.		7.		8.		9.		10.		DISTRICTS 6-10.						
	SCOT- LAND, N.	Diff.	SCOT- LAND, E.	Diff.	ENGLAND, N.E.	Diff.	ENGLAND, E.	Diff.	MIDLAND COUNTIES.	Diff.	ENGLAND, S.E.	Diff.		SCOT- LAND, W.	ENGLAND, N.W. AND N. WALES.	S. WALES AND ENG- LAND, S.W.	IRELAND, N.	IRELAND, S.												
1878 ..	55.8	+ 2.1	56.7	+ 1.7	58.7	+ 1.6	59.9	+ 1.0	59.7	+ 1.7	61.2	+ 1.2	59.2	+ 1.4	58.6	+ 2.0	59.1	+ 1.7	60.9	+ 2.4	58.4	+ 2.3	60.3	+ 2.7	59.5	+ 2.4	61.8	+ 1.1	59.4	+ 1.9
1879 ..	55.1	- 0.6	53.5	- 1.5	55.8	- 1.3	57.6	- 1.3	57.3	- 0.7	58.3	- 1.7	56.5	- 1.3	54.8	- 0.9	55.8	- 1.6	57.1	- 1.4	54.4	- 1.7	57.1	- 0.5	55.8	- 1.3	58.2	- 2.5	56.2	- 1.3
1880 ..	56.4	+ 2.7	56.7	+ 1.7	59.1	+ 2.0	60.6	+ 1.7	59.6	+ 1.6	61.7	+ 1.7	59.5	+ 1.7	58.1	+ 2.4	59.4	+ 2.0	60.9	+ 2.4	58.4	+ 2.3	59.7	+ 2.1	59.3	+ 2.2	61.2	+ 0.9	59.4	+ 1.8
1881 ..	52.6	- 1.1	53.6	- 1.4	56.4	- 0.7	58.1	- 0.8	57.2	- 0.8	59.0	- 1.0	56.9	- 0.8	54.5	- 1.2	56.0	- 1.4	57.1	- 1.4	55.4	- 0.7	56.0	- 1.6	55.8	- 1.3	59.5	- 1.2	56.4	- 1.1
1882 ..	54.8	+ 1.1	55.5	+ 0.5	57.3	+ 0.2	57.7	- 1.2	56.6	- 1.4	58.4	- 1.6	57.1	- 0.7	55.6	- 0.7	56.4	- 1.0	57.0	- 1.5	55.5	- 0.6	55.8	- 1.8	58.1	- 1.0	58.6	- 2.1	56.6	- 0.9
1883 ..	53.6	- 0.7	54.6	- 0.4	56.5	- 0.6	58.0	- 0.9	57.2	- 0.8	59.1	- 0.9	57.1	- 0.7	55.4	- 0.3	56.8	- 0.6	57.1	- 1.4	55.4	- 0.7	55.8	- 1.8	56.2	- 1.0	56.8	- 1.9	56.7	- 0.8
1884 ..	55.1	+ 1.4	56.3	+ 1.3	58.7	+ 1.6	61.3	+ 2.4	60.2	+ 2.2	62.0	+ 2.0	59.7	+ 1.9	57.7	+ 2.0	59.2	+ 1.8	60.1	+ 1.6	57.5	+ 1.4	58.6	+ 1.0	58.6	+ 1.8	61.4	+ 0.7	59.2	+ 1.7
1885 ..	55.3	- 1.4	53.8	- 1.9	55.8	- 1.3	57.5	- 1.4	57.2	- 0.8	59.2	- 0.8	56.7	- 1.1	54.4	- 1.3	55.8	- 1.6	57.3	- 1.2	55.3	- 0.8	56.9	- 0.7	55.9	- 1.2	59.3	- 1.4	56.3	- 1.2
Lustrum ..	53.7	+ 0.0	54.8	- 0.2	56.9	- 0.2	58.5	- 0.4	57.7	- 0.3	59.5	- 0.5	57.5	- 0.3	55.5	- 0.2	56.8	- 0.6	57.7	- 0.8	55.8	- 0.3	56.8	- 0.8	56.5	- 0.6	59.5	- 1.2	57.0	+ 0.5
1886 ..	53.1	- 0.6	54.9	- 0.2	57.7	+ 0.6	59.7	+ 0.8	59.2	+ 1.2	60.9	+ 0.9	58.5	+ 0.7	55.5	- 0.9	57.3	- 0.1	59.0	+ 0.5	56.1	+ 0.0	57.8	+ 0.2	57.1	- 0.0	60.7	+ 0.0	57.8	+ 0.3
1887 ..	52.9	- 0.8	55.2	+ 0.2	56.7	- 0.4	58.6	- 0.3	57.7	- 0.3	59.3	- 0.7	57.5	- 0.3	55.1	- 0.8	57.1	- 0.3	58.3	- 0.2	56.1	+ 0.0	58.0	+ 0.4	56.9	- 0.2	60.9	+ 0.2	57.2	- 0.3
1888 ..	51.6	- 2.1	52.8	- 2.4	54.0	- 3.1	56.8	- 2.8	55.3	- 2.7	57.6	- 2.4	55.2	- 2.0	53.8	- 2.6	55.0	- 2.4	56.3	- 2.2	54.6	- 1.5	55.8	- 1.8	55.1	- 2.0	58.6	- 2.1	55.2	- 2.3
1889 ..	53.7	- 0.6	54.3	- 0.7	56.0	- 1.1	57.6	- 1.3	57.0	- 1.0	59.0	- 1.0	56.8	- 0.8	56.5	- 0.9	57.6	- 0.9	55.7	- 0.4	57.1	- 0.5	56.4	- 0.7	56.0	- 0.7	60.0	- 0.7	56.6	- 0.9
1890 ..	53.8	+ 0.1	55.3	+ 0.3	57.3	+ 0.2	58.3	- 0.6	57.6	- 0.4	59.4	- 0.6	57.6	- 0.2	55.7	- 0.3	57.7	+ 0.8	56.1	- 0.0	57.2	- 0.4	56.8	- 0.3	56.8	- 0.3	58.9	- 1.8	57.2	- 0.3
Lustrum ..	52.9	- 0.8	54.5	- 0.5	56.3	- 0.8	58.2	- 0.7	57.4	- 0.6	59.2	- 0.8	57.1	- 0.7	55.0	- 0.7	56.8	- 0.8	57.8	- 0.7	55.7	- 0.4	57.2	- 0.4	56.5	- 0.6	59.8	- 0.8	56.8	- 0.7
1891 ..	53.7	+ 0.0	55.3	+ 0.3	56.6	- 0.5	57.9	- 1.0	57.0	- 1.0	58.8	- 1.2	57.1	- 0.7	55.8	- 0.4	57.0	- 1.5	56.2	+ 0.1	56.9	- 0.7	56.8	- 0.5	56.5	- 0.5	59.5	- 1.2	56.9	- 0.6
1892 ..	51.7	- 2.0	53.0	- 2.0	55.0	- 2.1	57.1	- 1.8	56.0	- 2.0	58.8	- 1.2	56.0	- 1.8	54.0	- 1.7	55.8	- 1.6	57.2	- 1.3	54.7	- 1.4	56.6	- 1.0	55.7	- 1.4	60.3	- 0.4	55.9	- 1.6
1893 ..	54.7	+ 1.0	55.9	+ 0.9	58.0	+ 0.9	60.0	+ 1.1	59.7	+ 1.7	61.3	+ 1.3	59.0	+ 1.2	56.8	+ 1.1	59.5	+ 2.1	60.0	+ 1.5	57.7	+ 1.6	59.1	+ 1.5	58.6	+ 1.5	62.4	+ 1.7	58.8	+ 1.3
1894 ..	54.1	+ 0.4	54.7	+ 0.3	56.1	- 1.0	57.5	- 1.4	56.7	- 1.3	58.9	- 1.1	56.8	- 1.0	55.2	- 0.6	56.8	- 0.6	57.2	- 1.3	55.5	- 0.6	56.3	- 0.9	56.2	- 0.9	59.8	- 0.9	58.5	- 1.0
1895 ..	55.0	+ 1.3	56.5	+ 1.5	59.0	+ 1.9	60.3	+ 1.4	59.5	+ 1.5	61.3	+ 1.3	59.3	+ 1.5	56.8	+ 1.1	58.9	+ 1.5	59.4	+ 0.9	57.1	+ 1.0	57.9	+ 0.3	58.0	+ 0.9	62.1	+ 1.4	58.7	+ 1.2
Lustrum ..	53.8	+ 0.1	55.1	+ 0.1	56.9	- 0.2	58.6	- 0.3	57.8	- 0.2	59.8	- 0.2	57.6	- 0.2	55.7	- 0.0	57.6	+ 0.2	58.2	- 0.3	56.2	+ 0.1	57.4	- 0.2	57.0	- 0.1	60.8	+ 0.1	57.3	- 0.2
1896 ..	53.4	- 0.3	54.7	- 0.3	57.2	+ 0.1	58.9	- 0.0	57.8	+ 0.2	60.5	+ 0.5	57.8	+ 0.0	55.7	+ 0.3	59.0	+ 0.5	55.7	- 0.4	57.7	+ 0.1	57.2	+ 0.1	57.2	+ 0.3	61.5	+ 0.8	57.5	+ 0.0
1897 ..	54.5	+ 0.8	55.4	+ 0.4	57.0	- 0.1	58.8	- 0.1	58.1	+ 0.1	60.5	+ 0.5	58.0	+ 0.2	56.2	+ 0.5	57.9	+ 0.5	58.8	+ 0.3	56.4	- 0.3	57.7	+ 0.1	57.4	+ 0.3	61.0	+ 0.3	57.7	+ 0.2
1898 ..	54.5	+ 0.8	56.3	+ 1.3	58.3	+ 1.2	60.1	+ 1.2	59.6	+ 1.6	61.9	+ 1.9	59.2	+ 1.4	57.0	+ 1.3	58.8	+ 1.4	60.3	+ 1.8	57.7	+ 1.6	59.9	+ 2.3	58.7	+ 1.6	62.9	+ 2.2	59.0	+ 1.5
1899 ..	55.6	+ 1.9	56.5	+ 1.5	58.7	+ 1.6	61.1	+ 2.2	60.7	+ 2.7	63.0	+ 3.0	60.4	+ 2.4	57.3	+ 1.6	59.5	+ 2.1	61.9	+ 3.4	58.1	+ 2.0	59.9	+ 2.3	59.3	+ 2.2	64.1	+ 3.4	59.7	+ 2.2
1900 ..	54.6	+ 0.9	55.5	+ 1.5	58.3	+ 1.2	60.9	+ 2.0	59.5	+ 1.5	61.3	+ 1.3	59.1	+ 1.3	56.4	+ 0.7	58.4	+ 1.0	59.7	+ 1.2	57.1	+ 1.0	58.6	+ 1.0	58.0	+ 0.9	62.3	+ 1.6	58.6	+ 1.1
Lustrum ..	54.5	+ 0.8	55.7	+ 0.7	57.9	+ 0.8	60.0	+ 1.1	59.1	+ 1.1	61.4	+ 1.4	58.8	+ 1.0	56.5	+ 0.8	58.5	+ 1.1	59.9	+ 1.4	57.0	+ 0.9	58.8	+ 1.2	58.1	+ 1.0	62.4	+ 1.7	58.5	+ 1.0
1901 ..	56.3	+ 2.6	57.4	+ 2.4	59.5	+ 2.4	60.9	+ 2.0	60.3	+ 2.3	61.5	+ 1.5	59.9	+ 2.1	57.8	+ 2.1	59.6	+ 2.2	60.4	+ 1.9	57.2	+ 1.1	59.1	+ 1.5	58.8	+ 1.7	62.2	+ 1.5	59.4	+ 1.9
1902 ..	52.2	- 1.5	53.3	- 1.7	55.7	- 1.4	58.0	- 0.9	56.8	- 1.3	59.2	- 0.8	56.6	- 1.2	54.6	- 1.1	56.3	- 1.0	58.2	- 0.3	55.5	- 0.6	57.8	+ 0.2	56.5	- 0.6	60.7	- 0.6	56.6	- 0.9
1903 ..	52.5	- 1.2	53.4	- 1.6	55.9	- 1.2	58.3	- 0.6	56.7	- 1.3	59.0	- 1.0	56.7	- 1.1	54.9	- 0.8	56.4	- 1.0	57.9	- 0.6	55.2	- 0.9	57.0	- 0.6	56.3	- 0.8	60.1	- 0.6	56.5	- 1.0
1904 ..	54.0	+ 0.3	54.9	+ 0.1	56.1	+ 1.0	59.7	+ 1.8	58.1	+ 0.1	59.9	- 0.1	58.1	+ 0.3	56.0	+ 0.3	57.7	+ 0.3	59.1	+ 0.6	55.9	- 0.2	57.6	+ 0.0	57.3	- 0.2	60.6	+ 0.1	57.7	+ 0.2
1905 ..	54.0	+ 0.3	55.3	+ 0.3	58.3	+ 1.2	60.4	+ 1.5	58.1	+ 0.1	59.9	- 0.1	58.4	+ 0.6	55.8	+ 0.1	57.3	- 0.1	58.3	- 0.2	55.8	- 0.3	57.6	+ 0.0	57.0	- 0.1	60.6	- 0.1	57.7	+ 0.2
Lustrum ..	53.8	+ 0.1	54.9	- 0.1	57.5	+ 0.4	59.5	+ 0.6	58.0	+ 0.0	59.9	- 0.1	58.0	+ 0.2	55.8	+ 0.1	57.5	+ 0.1	58.8	+ 0.3	55.9	- 0.2	57.8	+ 0.2	57.2	+ 0.1	60.9	+ 0.2	57.6	+ 0.1
25 yrs. Av.	53.7	—	55.0	—	57.1	—	58.9	—	58.0	—	60.0	—	57.8	—	55.7	—	57.4	—	58.5	—	56.1	—	57.6	—	57.1	—	60.7	—	57.5	—
1906 ..	54.3	+ 0.6	55.8	+ 0.8	59.5	+ 2.4	61.4	+ 2.5	60.0	+ 2.0	61.0	+ 1.0	59.5	+ 1.7	56.8	+ 1.1	58.4	+ 1.0	59.3	+ 0.8	56.9	+ 0.8	58.7	+ 1.1	58.0	+ 0.9	61.7	+ 1.0	58.8	+ 1.3
1907 ..	52.3	- 1.4	53.3	- 1.7	56.2	- 0.9	57.8	- 1.1	56.8	- 1.2	58.6	- 1.4	56.5	- 1.3	55.5	- 0.9	56.6	- 1.0	57.8	- 0.7	55.8	- 0.3	58.1	+ 0.5	56.8	- 0.3	60.5	- 0.2	56.7	- 0.8
1908 ..	53.6	- 0.1	54.4	- 0.2	56.9	- 0.2	58.3	- 0.6	57.5	- 0.6	58.9	- 1.1	57.2	- 0.6	56.1	- 0.4	56.9	- 0.5	58.2	- 0.3	55.9	- 0.6	57.8	+ 0.2	57.0	- 0.1	60.5	- 0.2	57.1	- 0.4
1909 ..	52.7	- 1.0	53.7	- 1.3	56.5	- 0.6	57.9	- 1.0	57.1	- 0.9	58.7	- 1.3	56.8	- 1.0	54.7	- 0.9	56.0	- 1.4	57.8	- 0.7	55.5	- 0.6	57.3	- 0.3	56.3	- 0.8	60.2	- 0.5	56.6	- 0.9
1910 ..	54.0	+ 0.3	54.2	- 0.8	56.4	- 0.7	57.9	- 1.0	56.9	- 0.7	58.1	- 1.6	56.7	- 1.1	55.8	+ 0.1	56.6	- 0.8	57.4	- 1.1	55.9	- 0.2	57.2	- 0.4	56.6	- 0.5	59.5	- 1.2	56.7	- 0.8
Lustrum ..	53.4	- 0.3	54.3	- 0.7	57.1	- 0.0	58.7	- 0.2	57.7	- 0.3	59.1	- 0.8	57.4	- 0.4	55.8	+ 0.1	56.9	- 0.5	58.1	- 0.4	56.0	- 0.1	57.6	- 0.0	56.9	- 0.3	60.5	- 0.3	57.2	- 0.3

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes.
(Page [V.] 1909.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.										Western Districts.										11. ENGLISH CHANNEL.	DISTRICTS 1-10.								
	0. SCOT- LAND, N.		1. SCOT- LAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.E.		DISTRICTS 1-5.		6. SCOT- LAND, W.		7. ENGLAND, N.W. AND N. WALES.		8. S. WALES AND ENG- LAND, S.W.					9. IRELAND, N.		10. IRELAND, S.		DISTRICTS 6-10.		
	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.				Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.	Th.-hrs.	Per cent. of av.
1881	30	88	32*	76	49	88	46	85	44	92	55	98	44	88	38	84	38	83	53	102	38	100	41	93	42	93	68	106	43	90
1882	30	88	32	76	49	88	46	85	44	94	54	96	44	100	46	102	43	93	50	96	37	97	45	102	44	98	53	97	47	96
1883	30	88	33	80	46	96	48	89	41	85	47	84	44	88	45	100	44	96	44	85	33	87	39	89	41	81	59	91	43	90
1884	35	103	43	103	50	104	55	102	48	100	53	95	50	100	44	98	46	100	52	100	37	97	43	98	44	98	61	94	47	93
1885	36	106	49	117	41	85	51	94	51	106	54	96	49	98	47	104	50	109	56	108	37	97	49	111	45	107	72	111	49	102
Lustrum	32	94	41	98	47	98	50	93	46	96	53	95	47	94	44	98	44	96	51	98	38	95	43	98	44	98	65	100	46	96
1886	35	103	46	110	47	98	58	107	49	102	56	100	51	102	44	98	47	102	47	90	35	92	42	95	43	96	66	102	47	98
1887	29	85	42	100	50	104	57	106	53	110	60	107	52	104	48	107	49	107	47	88	38	100	48	109	49	109	70	108	51	106
1888	29	85	37	88	36*	75	40	74	38*	79	42*	75	39*	78	37*	82	38	83	44*	85	33	87	44	100	39*	87	57	88	39*	81
1889	25*	74	37	88	39	81	46	85	43	90	48	86	43	86	41	91	40	87	46	88	34	86	43	98	41	91	63	97	42	88
1890	33	94	44	105	51	106	53	98	47	98	51	91	49	98	45	100	43	93	47	90	38	100	43	98	43	96	63	97	46	96
Lustrum	30	88	41	98	45	94	51	94	46	96	51	91	47	94	43	96	43	93	49	94	36	95	44	100	43	96	64	98	45	94
1891	29	85	33	80	39	81	46	85	43	90	50	89	43	86	41	91	36*	78	47	90	36	95	41	93	40	89	80	92	42	88
1892	29	85	34	80	41	85	48	89	42	88	52	93	45	90	44	98	40	87	47	90	35	92	42	95	41	91	67	103	43	90
1893	32	94	45	107	54	113	56	104	54	113	59	105	54	108	49	109	48	104	55	106	45	118	49	111	49	109	72	111	52	108
1894	35	103	41	98	46	96	44	82	59	81	46	82	43	86	46	102	39	85	44*	85	37	97	37*	84	41	91	52*	80	42	88
1895	26	76	49	100	54	113	63	117	55	115	65	116	56	112	42	98	48	104	54	104	31*	82	39	89	43	96	69	106	50	104
Lustrum	31	91	41	98	47	98	51	94	47	98	54	96	48	96	44	98	42	91	49	94	37	97	41	93	43	96	64	98	48	96
1896	32	94	39	93	39	81	47	87	38*	79	53	95	43	86	40	89	38	83	52	104	33	87	42	95	41	91	64	96	42	88
1897	45†	126	55†	131	69†	129	60	111	57	119	61	109	59	118	52†	118	56	122	54	104	45	118	47	107	51	113	61	94	55	115
1898	42	124	51	121	50	104	60	111	55	115	63	113	56	112	45	100	50	109	59	113	42	111	51†	116	49	109	78†	129	53	110
1899	41	121	46	110	51	106	68	126	60†	125	75†	134	60	120	46	102	53	115	67†	129	43	113	50	114	52	116	78†	120	56	117
1900	35	103	42	100	51	106	64	119	55	115	72	129	57	114	42	93	56	122	64	123	44	116	51†	118	51	113	78†	120	54	113
Lustrum	39	116	47	112	51	106	60	111	53	110	65	116	55	110	45	100	51	111	59	113	41	108	48	109	49	109	72	111	52	108
1901	40	118	48	114	58	121	62	115	50	104	62	111	56	112	50	111	57	124	51	98	35	92	41	93	47	104	66	102	52	108
1902	31	91	33	79	41	85	57	106	46	96	54	96	46	92	45	100	49	107	53	102	40	105	49	111	47	104	64	98	47	98
1903	38	112	42	100	49	102	48	89	43	90	52	93	47	94	48	107	47	102	50	96	41	108	43	98	46	102	60	92	47	98
1904	40	118	41	98	55	115	68	126	56	117	67	120	57	114	48	107	55	120	80	115	43	113	47	107	51	113	69	106	54	112
1905	37	109	44	105	54	113	57	106	51	106	55	98	52	104	46	102	48	104	51	98	38	100	39	89	44	98	58	89	48	100
Lustrum	37	109	42	100	51	106	58	107	49	102	58	104	52	104	47	104	51	111	53	102	39	103	44	100	47	104	63	97	50	104
25 years average	34	—	42	—	48	—	54	—	48	—	56	—	50	—	45	—	46	—	52	—	38	—	44	—	45	—	65	—	48	—
1906	45†	126	50	119	60	125	66†	128	60†	125	69	123	62†	124	52†	116	58†	126	62	119	47†	124	50	114	54†	120	71	109	58†	121
1907	36	106	42	100	49	102	54	100	48	100	58	104	50	100	46	102	47	102	55	106	40	105	46	102	46	102	64	98	48	100
1908	33	97	38	90	46	96	55	102	48	100	62	111	50	100	44	98	49	107	55	106	40	105	47	107	47	104	65	100	48	100
1909	37	109	41	98	43	90	50	93	44	92	52	93	45	92	44	98	43	93	52	100	36	95	44	100	44	98	61	94	45	94
1910	34	100	37	88	39	81	41	76	39	81	45	80	40	80	44	98	46	100	48	92	42	111	43	98	45	100	64	83	42	88
Lustrum	37	109	42	100	47	98	54	100	48	100	57	102	50	100	46	102	49	107	54	104	41	108	46	105	47	104	63	97	48	100

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1910.

Thirty-third Year.
VOL. XXVII. [New Series.]

FOURTH QUARTER, 1910.

[Price 4d.]

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-THREE YEARS, 1878-1910.
TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881-1905.

TABLE I.—RAINFALL—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF AVERAGE.																																		
YEARS.	Eastern Districts.															Western Districts.																		
	0. SCOT- LAND, N.		1. SCOT- LAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.E.		MEANS FOR EASTERN DISTRICTS.		6. SCOT- LAND, W.		7. ENGLAND, N.W. AND NORTH WALES.		8. SOUTH WALES AND ENGLAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.		MEANS FOR DISTRICTS 1-10 COM- BINED.					
	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.	Days.	Amount. Per cent. of average.		
1878 ..	72	14.2	53	10.6	60	10.4	57	9.0	51	7.8	48	8.3	54	9.2	45	12.7	55	9.1	64	13.3	65	12.1	53	12.4	107	13.4	107	13.4	107	13.4	107	13.4		
1879 ..	58	9.7	41	6.2	38	3.6	33	3.1	32	2.5	32	2.5	32	2.5	37	6.8	35	5.2	31	4.3	37	4.2	34	3.6	101	12.8	101	12.8	101	12.8	101	12.8		
1880 ..	75	16.1	54	10.7	58	9.8	58	8.8	58	11.0	61	12.9	54	10.5	57	12.8	53	13.6	58	16.4	60	9.6	53	12.4	107	13.4	107	13.4	107	13.4	107	13.4		
1881 ..	64	14.3	58	9.4	54	7.2	60	8.0	51	8.6	52	9.5	55	8.5	56	16.5	54	11.9	59	14.2	65	12.1	104	13.4	107	13.4	107	13.4	107	13.4	107	13.4		
1882 ..	71	15.2	59	14.8	63	11.2	69	11.0	64	13.0	69	12.6	56	12.7	56	17.7	57	13.2	62	19.8	65	12.5	108	14.8	118	15.6	107	13.4	107	13.4	107	13.4		
1883 ..	76	18.9	111	48	84	53	5.8	77	60	7.2	107	52	7.4	96	42	6.0	80	57	16.9	112	51	8.7	80	57	10.8	77	64	13.2	107	13.4	107	13.4		
1884 ..	68	18.6	103	52	8.9	98	44	5.1	88	50	6.5	97	47	5.3	69	42	6.0	80	57	16.9	112	51	8.7	80	57	10.8	77	64	13.2	107	13.4	107	13.4	
1885 ..	63	14.1	83	45	5.9	65	51	7.0	93	55	8.7	130	52	8.6	112	50	9.0	102	51	7.8	98	54	8.9	77	59	10.1	81	55	10.7	107	13.4	107	13.4	
Lustrum ..	68	16.2	54	9.3	55	7.3	59	8.3	55	8.6	52	8.9	55	8.5	55	14.5	56	11.0	62	13.7	64	11.8	61	11.8	102	13.4	102	13.4	102	13.4	102	13.4		
1886 ..	75	18.3	108	60	10.1	111	56	10.0	133	58	9.0	133	64	10.9	142	67	14.4	164	61	10.8	136	65	16.8	111	69	14.3	131	75	16.1	107	13.4	107	13.4	
1887 ..	73	14.0	82	55	7.8	86	59	7.7	103	56	5.9	88	47	5.9	77	50	7.8	84	55	7.0	88	51	12.4	82	55	12.0	74	55	12.0	107	13.4	107	13.4	
1888 ..	69	17.1	101	57	9.3	102	48	5.7	76	42	5.3	79	43	8.4	109	50	8.6	98	48	7.5	94	57	16.8	111	56	10.1	93	61	14.9	107	13.4	107	13.4	
1889 ..	65	13.1	77	52	6.6	73	49	6.6	88	51	5.6	84	47	5.3	69	48	8.2	92	49	6.5	81	58	13.3	88	58	9.4	86	59	11.8	107	13.4	107	13.4	
1890 ..	74	20.7	122	62	10.8	119	56	6.7	89	46	5.1	76	48	4.9	56	42	6.6	83	60	17.1	113	56	11.4	58	65	13.6	117	58	11.8	107	13.4	107	13.4	
Lustrum ..	71	16.6	57	8.9	58	7.3	57	6.1	51	7.2	54	8.8	53	7.7	58	15.3	101	59	10.7	98	62	13.6	102	64	12.1	104	59	12.6	101	60	12.8	101	60	
1891 ..	61	15.9	94	51	9.7	107	52	7.8	104	62	8.5	127	60	11.4	148	62	13.6	155	57	10.2	128	60	20.8	138	58	14.2	130	64	18.2	137	84	18.2		
1892 ..	65	14.5	85	53	8.0	88	55	7.3	97	49	8.3	124	48	6.1	79	47	8.6	98	50	7.7	96	57	13.0	86	50	10.5	98	57	10.1	107	13.4	107	13.4	
1893 ..	76	24.2	142	57	8.2	90	52	5.9	79	55	7.2	107	50	6.7	87	51	8.9	101	53	7.4	93	65	18.4	108	61	10.4	95	56	12.1	107	13.4	107	13.4	
1894 ..	66	15.8	93	48	7.4	81	54	7.0	93	56	7.3	109	53	8.9	116	52	10.8	123	53	8.3	104	62	15.3	101	58	11.4	105	55	10.2	122	60	10.9		
1895 ..	66	16.6	98	58	10.6	116	55	8.2	109	52	7.0	104	53	8.8	112	56	10.5	119	55	9.0	113	53	14.2	94	59	11.9	109	65	16.6	125	63	12.7		
Lustrum ..	67	17.4	102	53	8.8	97	54	7.2	96	55	7.7	115	58	8.3	108	54	10.5	118	54	8.5	106	59	15.9	105	58	11.7	107	59	14.6	110	64	11.3		
1896 ..	71	15.9	94	51	9.7	107	52	7.8	104	62	8.5	127	60	11.4	148	62	13.6	155	57	10.2	128	60	20.8	138	58	14.2	130	64	18.2	137	84	18.2		
1897 ..	59	14.7	86	47	7.7	85	43	5.2	89	37	3.7	55	42	6.0	78	37	5.5	63	41	5.6	70	55	13.9	92	44	11.2	103	44	11.0	107	13.4	107	13.4	
1898 ..	71	24.4	144	59	11.4	125	52	8.5	113	48	6.8	101	50	8.3	104	53	8.3	104	53	8.3	104	53	8.3	104	53	8.3	104	53	8.3	104	53	8.3	104	53
1899 ..	67	18.5	103	48	8.6	95	40	6.3	84	38	6.3	94	35	6.9	90	34	8.4	95	39	7.3	91	59	15.0	99	41	9.3	85	45	11.4	107	13.4	107	13.4	
1900 ..	76	22.3	131	71	12.8	141	60	9.2	123	60	5.6	84	61	8.3	108	59	8.8	100	62	8.9	111	72	21.2	140	64	13.4	123	69	15.9	125	63	12.7		
Lustrum ..	69	19.2	113	57	10.2	112	53	8.1	108	49	5.9	88	49	7.6	97	47	8.2	93	51	8.0	100	61	15.4	102	64	11.1	102	57	13.5	102	64	11.1		
1901 ..	71	15.5	91	55	8.7	98	46	9.5	127	44	7.1	106	41	6.9	90	41	6.8	77	45	7.8	98	64	16.8	105	53	11.8	108	49	9.9	74	66	12.6		
1902 ..	62	15.9	94	59	8.7	96	51	6.5	87	48	4.6	69	50	7.4	96	51	7.5	85	52	6.9	86	62	16.6	110	56	9.7	89	56	12.0	109	66	12.3		
1903 ..	65	16.6	96	63	10.0	110	55	10.0	133	52	7.6	113	57	9.3	121	56	11.0	125	57	9.6	120	66	19.1	126	63	13.4	123	65	15.5	117	71	12.7		
1904 ..	74	15.4	91	47	4.7	52	37	4.3	57	41	4.6	69	40	4.2	55	42	6.7	76	41	4.9	61	53	11.4	75	44	8.1	74	47	9.0	107	13.4	107	13.4	
1905 ..	72	15.5	91	61	9.9	109	59	6.9	92	48	5.2	78	46	5.3	69	45	7.0	80	50	6.9	88	53	12.5	83	49	8.4	77	46	8.6	65	63	10.1		
Lustrum ..	69	15.8	93	57	8.4	92	48	7.4	99	47	5.7	85	47	6.6	86	47	7.8	88	49	7.2	90	60	14.7	97	53	10.3	94	53	11.0	83	66	11.0		
25 years average	69	17.0	56	9.1	52	7.5	52	6.7	51	7.7	50	8.8	52	8.0	59	15.1	56	10.9	59	13.3	64	11.6	59	12.5	59	12.7	65	11.7	56	10.4	—	—	—	
1906 ..	76	17.6	104	62	13.1	144	58	9.6	128	51	9.1	136	59	9.6	125	56	10.9	124	57	10.5	131	62	15.0	99	64	12.3	113	63	13.6	102	70	11.5		
1907 ..	67	12.9	74	58	11.3	124	61	9.2	123	57	7.7	115	59	11.0	143	58	11.7	133	59	10.2	128	65	16.7	111	63	12.8	117	70	16.8	126	69	11.7		
1908 ..	66	15.1	89	50	6.2	68	45	4.0	53	47	4.6	69	49	4.9	55	42	6.7	76	41	4.9	61	53	11.4	75	44	8.1	74	47	9.0	107	13.4	107	13.4	
1909 ..	71	17.5	103	56	9.2	101	55	7.5	106	61	8.9	133	58	8.5	110	54	11.5	131	57	9.1	114	54	16.1	107	62	13.5	124	63	14.4	108	63	11.5		
1910 ..	69	13.5	79	59	9.1	100	52	7.8	104	54	9.0	133	57	11.4	148	55	12.3	140	56	9.9	124	58	13.2	87	61	12.0	110	68	17.8	134	63	8.8		
Lustrum ..	70	15.3	90	57	9.8	108	54	7.6	101	54	7.9	118	56	9.1	118	54	10.5	118	55	9.0	113	60	14.6	97	61	11.7	107	64	14.3	108	68	10.6		

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in *italic type*. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in *clarendon type*.

Meteorological Office, South Kensington, London, S.W.

February 2, 1911.

W. N. SHAW,
Director.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.										Western Districts.										11. ENGLISH CHANNEL.	DISTRICTS 1-10.								
	0. SCOT- LAND, N.		1. SCOT- LAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.E.		DISTRICTS 1-5.		6. SCOT- LAND, W.		7. ENGLAND, N.W. AND N. WALES.		8. S. WALES AND ENG- LAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		DISTRICTS 6-10.			
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.			°	Diff.	°	Diff.	°	Diff.	°	Diff.
1878 ..	40° 0'	- 2' 2"	39° 0'	- 2' 7"	39° 8'	- 3' 6"	40° 8'	- 2' 8"	40° 7'	- 2' 3"	42° 3'	- 3' 0"	40° 5'	- 2' 2"	40° 7'	- 3' 1"	41° 5'	- 2' 9"	44° 5'	- 1' 6"	42° 1'	- 2' 3"	42° 8'	- 3' 1"	42° 3'	- 2' 6"	47° 4'	- 2' 2"	41° 4'	- 2' 8"
1879 ..	41° 2'	- 1' 0"	40° 2'	- 1' 5"	40° 3'	- 3' 1"	39° 7'	- 3' 9"	39° 8'	- 3' 2"	41° 2'	- 4' 1"	40° 2'	- 3' 2"	41° 9'	- 1' 9"	42° 0'	- 2' 4"	45° 3'	- 0' 8"	43° 0'	- 1' 4"	45° 0'	- 0' 9"	43° 4'	- 1' 5"	46° 9'	- 2' 7"	41° 8'	- 2' 8"
1880\$..	39° 3'	- 2' 9"	39° 6'	- 2' 1"	42° 4'	- 1' 0"	43° 6'	0' 0"	42° 7'	- 0' 3"	45° 3'	0' 0"	42° 8'	- 0' 6"	41° 8'	- 2' 0"	43° 6'	- 0' 8"	47° 7'	+ 1' 6"	42° 9'	- 1' 5"	44° 9'	- 1' 0"	44° 2'	- 0' 7"	49° 7'	+ 0' 1"	43° 5'	- 0' 7"
1881 ..	42° 8'	+ 0' 6"	42° 1'	+ 0' 4"	43° 2'	- 0' 2"	43° 5'	- 0' 1"	43° 2'	- 0' 2"	45° 2'	- 0' 1"	43° 4'	- 0' 0"	44° 0'	+ 0' 2"	44° 5'	+ 0' 1"	47° 7'	+ 1' 6"	44° 3'	- 0' 1"	46° 8'	+ 0' 9"	45° 5'	+ 0' 6"	49° 3'	- 0' 3"	44° 5'	+ 0' 3"
1882 ..	40° 6'	- 1' 6"	39° 3'	- 2' 4"	43° 6'	+ 0' 2"	43° 5'	- 0' 1"	42° 8'	- 0' 2"	45° 5'	+ 0' 2"	43° 9'	- 0' 5"	42° 2'	- 1' 6"	44° 0'	- 0' 4"	46° 5'	+ 0' 4"	42° 8'	- 1' 6"	44° 6'	+ 1' 3"	44° 0'	- 0' 9"	49° 3'	- 0' 3"	43° 5'	- 0' 7"
1883 ..	41° 8'	- 0' 4"	42° 1'	+ 0' 4"	43° 8'	+ 0' 4"	44° 2'	+ 0' 6"	43° 8'	+ 0' 8"	45° 6'	+ 0' 3"	43° 9'	+ 0' 5"	43° 9'	+ 0' 1"	45° 0'	+ 0' 6"	46° 9'	+ 0' 8"	44° 8'	+ 0' 2"	46° 5'	+ 0' 6"	45° 4'	+ 0' 5"	49° 5'	- 0' 1"	44° 7'	+ 0' 5"
1884 ..	41° 8'	- 0' 4"	41° 8'	+ 0' 7"	43° 8'	+ 0' 4"	43° 6'	0' 0"	43° 3'	+ 0' 3"	45° 3'	0' 0"	43° 6'	+ 0' 2"	43° 5'	- 0' 3"	44° 4'	0' 0"	46° 2'	+ 0' 1"	44° 1'	- 0' 3"	45° 1'	- 0' 8"	44° 7'	- 0' 2"	49° 3'	- 0' 3"	44° 2'	+ 0' 0"
1885 ..	40° 9'	- 1' 3"	40° 7'	- 1' 0"	42° 6'	- 0' 8"	42° 3'	- 1' 3"	41° 9'	- 1' 1"	44° 0'	- 1' 3"	42° 3'	- 1' 1"	42° 5'	- 1' 3"	42° 7'	- 1' 7"	45° 0'	- 1' 1"	43° 7'	- 0' 7"	45° 1'	- 0' 8"	43° 8'	- 1' 1"	48° 3'	- 1' 3"	43° 1'	- 1' 1"
Lustrum	41° 6'	- 0' 6"	41° 2'	- 0' 5"	43° 4'	0' 0"	43° 4'	- 0' 2"	43° 0'	0' 0"	45° 1'	- 0' 2"	43° 2'	- 0' 2"	43° 2'	- 0' 6"	44° 1'	- 0' 3"	46° 5'	+ 0' 4"	43° 9'	- 0' 5"	45° 6'	- 0' 3"	44° 7'	- 0' 2"	49° 1'	- 0' 5"	44° 0'	- 0' 2"
1886\$..	42° 0'	- 0' 2"	41° 7'	0' 0"	43° 6'	+ 0' 2"	43° 9'	+ 0' 3"	43° 5'	+ 0' 5"	45° 6'	+ 0' 3"	43° 8'	+ 0' 4"	43° 9'	+ 0' 1"	44° 7'	+ 0' 3"	46° 3'	+ 0' 2"	44° 2'	- 0' 2"	45° 8'	- 0' 1"	45° 1'	+ 0' 2"	49° 8'	+ 0' 2"	44° 5'	+ 0' 3"
1887 ..	39° 4'	- 2' 8"	39° 4'	- 2' 3"	40° 3'	- 3' 1"	40° 2'	- 3' 4"	39° 9'	- 3' 1"	41° 7'	- 3' 6"	40° 3'	- 3' 1"	40° 7'	- 3' 1"	41° 3'	- 3' 4"	41° 8'	- 2' 6"	42° 7'	- 3' 4"	41° 9'	- 3' 0"	46° 5'	- 3' 1"	41° 9'	- 3' 1"	41° 1'	- 3' 1"
1888 ..	43° 4'	+ 1' 2"	43° 4'	+ 1' 7"	44° 1'	+ 0' 7"	43° 9'	+ 0' 3"	43° 8'	+ 0' 8"	46° 1'	+ 0' 8"	44° 3'	+ 0' 9"	45° 0'	+ 1' 2"	45° 3'	+ 0' 9"	47° 1'	+ 1' 0"	45° 5'	+ 1' 1"	47° 0'	+ 1' 1"	50° 6'	+ 1' 0"	45° 2'	+ 1' 0"	45° 2'	+ 1' 0"
1889 ..	43° 4'	+ 1' 2"	42° 2'	+ 0' 5"	43° 1'	- 0' 3"	43° 0'	- 0' 6"	42° 7'	- 0' 3"	44° 9'	- 0' 3"	44° 2'	- 0' 2"	44° 4'	+ 0' 6"	44° 1'	- 0' 3"	45° 8'	+ 0' 6"	46° 2'	+ 0' 3"	45° 1'	+ 0' 2"	49° 1'	- 0' 5"	44° 2'	0' 0"	44° 2'	0' 0"
1890\$..	42° 6'	+ 0' 4"	41° 4'	- 0' 3"	42° 1'	- 1' 3"	40° 5'	- 3' 1"	40° 4'	- 2' 6"	42° 2'	- 3' 1"	41° 4'	- 2' 0"	43° 2'	- 0' 6"	42° 6'	- 1' 8"	44° 0'	- 2' 1"	44° 3'	- 0' 1"	45° 6'	- 0' 3"	44° 0'	- 0' 9"	47° 5'	- 2' 1"	42° 7'	- 1' 5"
Lustrum	42° 3'	+ 0' 7"	41° 6'	- 0' 1"	42° 6'	- 0' 8"	42° 3'	- 1' 3"	42° 1'	- 0' 9"	44° 1'	- 1' 2"	42° 6'	- 0' 8"	43° 4'	- 0' 4"	43° 6'	- 0' 8"	45° 2'	- 0' 9"	44° 2'	- 0' 2"	45° 5'	- 0' 4"	44° 4'	- 0' 5"	48° 7'	- 0' 6"	43° 5'	- 0' 7"
1891 ..	42° 0'	- 2' 0"	40° 8'	- 0' 9"	42° 3'	- 1' 1"	43° 6'	0' 0"	42° 5'	- 0' 5"	45° 6'	+ 0' 3"	43° 0'	- 0' 4"	43° 5'	- 0' 3"	43° 7'	- 0' 7"	45° 9'	- 0' 2"	43° 3'	- 1' 1"	44° 8'	- 1' 1"	44° 2'	- 0' 7"	49° 4'	- 0' 2"	43° 6'	- 0' 6"
1892 ..	40° 2'	- 0' 2"	39° 1'	- 2' 6"	40° 9'	- 2' 5"	41° 5'	- 2' 1"	40° 5'	- 2' 5"	43° 5'	- 1' 8"	41° 1'	- 2' 3"	41° 5'	- 2' 3"	42° 1'	- 2' 3"	44° 5'	- 1' 6"	42° 9'	- 1' 5"	44° 6'	- 1' 3"	43° 1'	- 1' 8"	48° 2'	- 1' 4"	42° 1'	- 2' 1"
1893 ..	41° 9'	- 0' 3"	42° 0'	+ 0' 3"	44° 0'	+ 0' 8"	43° 9'	+ 0' 3"	43° 4'	+ 0' 4"	45° 3'	0' 0"	43° 7'	+ 0' 3"	44° 1'	+ 0' 3"	45° 3'	+ 0' 9"	46° 0'	- 0' 1"	44° 0'	- 0' 4"	45° 5'	- 0' 4"	45° 0'	+ 0' 1"	49° 4'	- 0' 2"	44° 4'	+ 0' 2"
1894 ..	44° 0'	+ 1' 8"	42° 6'	+ 0' 9"	44° 7'	+ 1' 3"	45° 5'	+ 1' 9"	45° 2'	+ 2' 2"	47° 4'	+ 2' 1"	45° 1'	+ 1' 7"	45° 5'	- 1' 7"	46° 7'	+ 2' 3"	48° 0'	+ 1' 9"	45° 6'	+ 1' 2"	47° 3'	+ 1' 4"	46° 6'	+ 1' 7"	51° 2'	+ 1' 6"	45° 9'	+ 1' 7"
1895 ..	41° 2'	- 1' 0"	40° 4'	- 1' 3"	43° 0'	- 0' 3"	43° 8'	+ 0' 2"	42° 9'	- 0' 1"	46° 0'	+ 0' 7"	43° 2'	- 0' 2"	42° 9'	- 0' 6"	44° 2'	- 0' 2"	46° 6'	+ 0' 5"	43° 0'	- 1' 4"	45° 3'	- 0' 6"	44° 4'	- 0' 5"	51° 0'	+ 1' 4"	43° 8'	- 0' 4"
Lustrum	41° 3'	- 0' 3"	41° 0'	- 0' 7"	43° 0'	- 0' 4"	43° 7'	+ 0' 1"	42° 9'	- 0' 1"	45° 6'	+ 0' 3"	43° 2'	- 0' 2"	43° 5'	- 0' 3"	44° 4'	0' 0"	46° 2'	+ 0' 1"	43° 8'	- 0' 6"	45° 5'	- 0' 4"	44° 7'	- 0' 2"	49° 8'	+ 0' 2"	44° 0'	- 0' 2"
1896\$..	41° 2'	- 1' 0"	40° 5'	- 1' 2"	41° 9'	- 1' 5"	41° 8'	- 1' 8"	40° 9'	- 2' 1"	43° 5'	- 1' 8"	41° 7'	- 1' 7"	42° 2'	- 1' 6"	42° 5'	- 1' 9"	43° 3'	- 2' 8"	42° 8'	- 2' 2"	43° 3'	- 2' 6"	42° 7'	- 2' 2"	47° 5'	- 2' 1"	42° 2'	- 2' 0"
1897 ..	43° 2'	+ 1' 0"	42° 9'	+ 1' 2"	45° 0'	+ 1' 6"	44° 4'	+ 0' 8"	44° 2'	+ 1' 2"	47° 4'	+ 2' 1"	44° 8'	+ 1' 4"	45° 8'	+ 2' 2"	48° 1'	+ 2' 0"	46° 2'	+ 1' 8"	48° 4'	+ 2' 5"	47° 0'	+ 2' 1"	51° 5'	+ 1' 9"	45° 9'	+ 1' 7"	45° 9'	+ 1' 7"
1898 ..	44° 3'	+ 2' 1"	44° 2'	+ 2' 5"	47° 0'	+ 3' 6"	47° 4'	+ 3' 8"	46° 7'	+ 3' 7"	49° 3'	+ 4' 0"	46° 9'	+ 3' 5"	46° 8'	+ 3' 0"	48° 1'	+ 3' 7"	49° 5'	+ 3' 4"	47° 1'	+ 2' 7"	48° 8'	+ 2' 9"	48° 1'	+ 3' 2"	52° 7'	+ 3' 1"	47° 5'	+ 3' 3"
1899 ..	44° 0'	+ 1' 8"	42° 7'	+ 1' 0"	43° 9'	+ 0' 5"	44° 0'	+ 0' 4"	42° 9'	- 0' 1"	46° 2'	+ 0' 6"	43° 9'	+ 0' 5"	44° 7'	+ 0' 9"	44° 8'	+ 0' 4"	47° 0'	+ 0' 9"	46° 1'	+ 1' 7"	47° 6'	+ 1' 7"	46° 0'	+ 1' 1"	51° 1'	+ 1' 5"	45° 0'	+ 0' 8"
1900 ..	43° 4'	+ 1' 2"	43° 2'	+ 1' 5"	46° 1'	+ 2' 7"	46° 7'	+ 3' 1"	46° 0'	+ 3' 0"	48° 3'	+ 3' 0"	46° 1'	+ 2' 7"	45° 3'	+ 1' 5"	46° 9'	+ 2' 5"	48° 2'	+ 2' 1"	45° 5'	+ 1' 1"	47° 4'	+ 1' 5"	46° 7'	+ 1' 8"	52° 2'	+ 2' 6"	46° 4'	+ 2' 3"
Lustrum	43° 2'	+ 1' 0"	42° 7'	+ 1' 0"	44° 8'	+ 1' 4"	44° 9'	+ 1' 3"	44° 1'	+ 1' 1"	46° 9'	+ 1' 6"	44° 7'	+ 1' 3"	44° 9'	+ 1' 1"	45° 8'	+ 1' 4"	47° 2'	+ 1' 1"	45° 4'	+ 1' 0"	47° 1'	+ 1' 2"	46° 1'	+ 1' 2"	51° 0'	+ 1' 4"	45° 4'	+ 1' 2"
1901 ..	41° 7'	- 0' 5"	41° 0'	- 0' 7"	43° 0'	- 0' 4"	43° 5'	- 0' 1"	42° 3'	- 0' 7"	45° 0'	- 0' 3"	43° 6'	- 0' 4"	43° 2'	- 0' 6"	44° 1'	- 0' 3"	45° 2'	- 0' 9"	44° 4'	+ 0' 0"	45° 5'	- 0' 4"	44° 5'	- 0' 4"	49° 6'	+ 0' 0"	43° 8'	- 0' 4"
1902\$..	44° 0'	+ 1' 8"	42° 8'	+ 1' 1"	44° 9'	+ 1' 6"	44° 4'	+ 0' 8"	44° 2'	+ 1' 1"	45° 8'	+ 0' 5"	44° 6'	+ 0' 4"	45° 3'	+ 0' 9"	46° 6'	+ 0' 5"	45° 9'	+ 0' 6"	46° 2'	+ 0' 4"	46° 2'	+ 0' 4"	49° 9'	+ 0' 3"	45° 4'	+ 0' 3"	45° 4'	+ 0' 3"
1903 ..	41° 2'	- 0' 4"	40° 6'	- 1' 1"	43° 0'	- 0' 4"	44° 1'	+ 0' 5"	42° 9'	- 0' 1"	45° 4'	+ 0' 1"	43° 2'	- 0' 2"	43° 1'	- 0' 7"	43° 9'	- 0' 5"	46° 1'	- 0' 0"	43° 9'	+ 0' 5"	45° 1'	+ 0' 8"	44° 4'	- 0' 5"	49° 5'	+ 0' 9"	43° 8'	- 0' 4"
1904 ..	42° 5'	+ 0' 3"	41° 9'	+ 0' 2"	43° 4'	0' 0"	44° 0'	+ 0' 4"	42° 6'	- 0' 4"	45° 3'	0' 0"	43° 4'	- 0' 0"	43° 7'	- 0' 1"	44° 1'	- 0' 3"	46° 0'	- 0' 1"	45° 0'	+ 0' 6"	47° 0'	+ 0' 8"	45° 2'	+ 0' 8"	50° 5'	+ 0' 9"	44° 3'	+ 0' 1"
1905 ..	42° 2'	0' 0"	41° 7'	0' 0"	42° 5'	- 0' 9"	42° 4'	- 1' 2"	41° 8'	- 1' 2"	43° 3'	- 2' 0"	42° 3'	- 1' 1"	43° 3'	- 0' 5"	43° 5'	- 0' 9"	43° 8'	- 2' 3"	44° 3'	- 0' 1"	45° 0'	- 0' 9"	44° 0'	- 0' 9"	48° 1'	- 1' 5"	43° 2'	- 1' 0"
Lustrum	42° 4'	+ 0' 2"	41° 7'	0' 0"	43° 4'	0' 0"	43° 7'	+ 0' 1"	42° 7'	- 0' 3"	45° 0'	- 0' 3"	43° 3'	- 0' 1"	43° 8'	0' 0"	44° 2'	- 0' 2"	45° 5'	- 0' 6"	44° 7'	+ 0' 3"	46° 0'	+ 0' 1"	44° 8'	- 0' 1"	49° 5'	- 0' 1"	44° 1'	- 0' 1"
25 yrs. Av.	42° 2'	-	41° 7'	-	43° 4'	-	43° 6'	-	43° 0'	-	45° 3'	-	43° 4'	-	43° 8'	-	44° 4'	-	46° 1'	-	44° 4'	-	45° 9'	-	44° 9'	-	49° 6'	-	44° 2'	-
1906 ..	43° 3'	+ 1' 1"	43° 3'	+ 1' 6"	44° 9'	+ 1' 5"	46° 1'	+ 2' 5"	44° 9'	+ 1' 9"	46° 8'	+ 1' 5"	45° 2'	+ 1' 8"	44° 7'	+ 0' 9"	45° 5'	+ 1' 1"	46° 5'	+ 0' 4"	45° 4'	+ 1' 0"	46° 8'	+ 0' 9"	45° 8'	+ 0' 9"	50° 5'	+ 0' 9"	45° 5'	+ 1' 3"
1907 ..	43° 2'	+ 1' 0"	42° 7'	+ 1' 0"	44° 9'	+ 1' 5"	46° 6'	+ 3' 0"	44° 9'	+ 1' 9"	47° 7'	+ 2' 4"	45° 4'	+ 2' 0"	44° 5'	+ 0' 7"	45° 3'	+ 0' 9"	46° 8'	+ 0' 4"	45° 3'	+ 0' 9"	46° 0'	+ 0' 9"	45° 6'	+ 0' 9"	51° 0'	+ 1' 4"	45° 5'	+ 1' 3"
1896\$..	46° 3'	+ 4' 1"	45° 0'	+ 3' 3"	46° 0'	+ 2' 6"	46° 6'	+ 3' 0"	46° 1'	+ 3' 1"	47° 7'	+ 3' 4"	46° 3'	+ 2' 9"	47° 2'	+ 3' 4"	47° 2'	+ 2' 8"	49° 2'	+ 3' 1"	48° 5'	+ 4' 1"	49° 7'	+ 3' 8"	48° 4'	+ 3' 5"	52° 5'	+ 2' 9"	47° 4'	+ 3' 2"
1909 ..	40° 3'	- 1' 9"	40° 7'	- 1' 0"	42° 8'	- 0' 6"	44° 2'	+ 0' 8"	42° 9'	- 0' 1"	44° 7'	- 0' 6"	43° 1'	- 0' 3"	41° 7'	- 2' 1"	43° 4'	- 1' 0"	45° 1'	- 1' 0"	43° 3'	- 1' 1"	44° 4'	- 1' 5"	43° 6'	- 1' 3"	48° 7'	- 0' 9"	44° 4'	- 0' 8"
1910 ..	42° 2'	0' 0"	41°																											

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes.
(Page [V.] 1909.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.										Western Districts.										11. ENGLISH CHANNEL.	DISTRICTS 1-10.						
	0. SCOT- LAND, N.		1. SCOT- LAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.E.		DISTRICTS 1-5.		6. SCOT- LAND, W.		7. ENGLAND, N.W. AND N. WALES.		8. S. WALES AND ENG- LAND, S.W.				9. IRELAND, N.		10. IRELAND, S.		DISTRICTS 6-10.	
	Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.			Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.	Th.-hrs.	Percent. of av.
1881	14	108	17	100	21	111	21	100	22	122	21	100	20	105	16	100	16	100	23	110	23	100	20	111	20	106	20	106
1882	14	108	14	82	15	79	17	81	16	89	17	89	13	81	13	81	18	86	18	86	17	94	17	94	20	80	17	89
1883	17	131	23	135	22	116	20	95	19	106	19	90	21	111	19	119	16	100	19	90	17	94	21	100	18	100	20	105
1884	11	85	16	94	16	84	17	81	15	83	16	76	16	84	15	94	14	88	15	71	14	78	18	86	15	83	24	98
1885	14	108	20	118	14	74	20	95	16	89	18	88	18	85	17	106	14	88	19	106	21	100	19	106	21	106	19	84
Lustrum	14	108	18	106	18	95	19	90	18	100	19	90	18	95	16	100	15	94	19	90	18	100	21	100	18	100	23	92
1886	17	131	17	100	25	132	24	114	18	100	23	110	21	111	20	125	19	119	21	100	18	100	19	106	23	112	20	105
1887	9	69	15	88	18	95	21	100	19	106	20	95	19	100	16	100	15	94	23	110	15	83	21	100	18	100	27	108
1888	9	69	11	65	19	100	20	95	18	100	19	90	17	89	12	75	13	81	1	90	16	89	18	86	16	89	25	112
1889	11	85	14	82	14	74	19	90	16	89	16	76	14	88	14	78	13	81	17	81	16	89	19	90	16	89	22	88
1890	13	100	17	100	19	100	23	110	20	111	23	110	20	105	15	94	16	100	22	105	18	100	22	105	18	100	29	116
Lustrum	12	92	15	88	19	100	21	100	18	100	20	95	19	100	15	94	15	94	20	95	17	94	20	95	17	94	27	108
1891	14	108	20	118	17	89	21	100	20	111	23	110	20	105	16	113	16	100	22	105	22	122	25	119	21	117	34	136
1892	11	85	16	94	18	95	17	81	20	111	21	100	18	95	17	106	19	119	23	110	19	106	23	110	20	111	23	92
1893	8	62	19	112	25	132	25	119	21	119	24	114	23	121	19	119	16	100	23	110	21	117	22	105	20	111	28	112
1894	13	100	17	100	16	84	19	90	16	89	22	105	18	95	15	94	15	94	21	100	18	100	21	100	18	100	25	100
1895	17	131	20	118	22	116	20	95	18	100	21	100	20	105	19	119	16	100	20	95	23	128	26	124	21	117	25	100
Lustrum	13	100	18	106	20	105	20	95	19	106	22	105	20	105	18	113	16	100	22	105	21	117	23	110	20	111	27	108
1896	12	92	16	94	22	116	23	110	21	117	26	124	21	111	19	119	17	106	25	119	23	128	25	119	22	122	28	104
1897	16	123	18	108	18	95	21	100	19	106	26	124	20	105	17	106	20	105	20	95	18	100	25	119	20	111	27	108
1898	17	131	15	88	16	84	23	110	14	78	19	90	17	89	14	88	16	100	20	95	16	89	21	100	17	94	25	100
1899	11	85	17	100	21	111	25	119	20	111	26	124	22	116	15	94	22	108	22	105	19	106	24	114	20	111	28	112
1900	13	100	15	88	16	84	24	114	19	106	22	105	19	100	15	94	17	106	22	105	17	94	20	95	18	100	23	92
Lustrum	14	108	16	94	18	95	23	110	19	106	24	114	20	105	16	100	18	113	22	105	19	106	23	110	20	111	26	104
1901	15	115	19	112	22	116	27	129	18	100	26	124	22	116	17	106	20	125	21	100	21	117	22	105	20	111	27	108
1902	17	131	16	94	17	89	20	95	16	89	18	86	17	89	14	88	18	113	19	90	18	100	18	86	17	94	24	96
1903	10	77	12	71	16	84	15	71	14	78	16	78	15	79	13	81	15	94	18	86	16	89	20	95	16	89	20	80
1904	13	100	21	124	22	116	22	105	17	94	20	95	20	105	17	106	19	119	18	88	15	83	17	81	17	94	24	96
1905	13	100	19	112	21	111	21	100	18	106	22	105	20	105	20	105	20	125	26	124	19	106	22	105	21	117	26	104
Lustrum	14	108	17	100	19	100	21	100	17	94	20	95	19	100	16	100	18	113	20	95	18	100	20	95	18	100	24	96
25 years average	13	—	17	—	19	—	21	—	18	—	21	—	19	—	16	—	16	—	21	—	18	—	21	—	18	—	25	—
1906	12	92	17	100	18	95	22	105	17	94	23	110	19	100	15	94	17	106	22	105	18	100	20	95	18	100	24	96
1907	15	115	17	100	18	95	19	90	18	100	21	100	19	100	14	88	18	113	20	95	18	100	18	86	18	100	26	104
1908	14	108	19	112	21	111	24	114	20	111	27	129	22	116	14	88	25	116	26	124	20	111	19	91	21	117	33	132
1909	16	123	22	129	21	111	22	105	20	111	25	119	22	116	20	125	21	131	25	119	22	122	26	124	23	128	24	96
1910	15	115	19	112	20	105	18	86	16	89	20	95	19	100	16	100	18	113	19	90	19	106	19	91	18	100	23	92
Lustrum	14	108	19	112	20	105	21	100	18	100	23	110	20	105	16	100	20	125	22	105	19	106	20	95	19	106	26	104
1911	15	115	19	112	20	105	18	86	16	89	20	95	19	100	16	100	18	113	19	90	19	106	19	91	18	100	23	92

WEEKLY WEATHER REPORT, 1910.

Thirty-third Year.
VOL. XXVII. [New Series.] } APPENDIX I.

VALUES FOR THE WHOLE YEAR, 1910.

Price 4d.

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-THREE YEARS, 1878-1910.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE AVERAGES FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.															Western Districts.															MEANS FOR DISTRICTS 1-10 COMBINED.															
	0. SCOTLAND, N.			1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			MEANS FOR EASTERN DISTRICTS.			6. SCOTLAND, W.			7. ENGLAND, N.W. AND NORTH WALES.			8. SOUTH WALES AND ENGLAND, S.W.					9. IRELAND, N.			10. IRELAND, S.			MEANS FOR WESTERN DISTRICTS.			11. ENGLISH CHANNEL.				
	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.	Days.	Amount.	Per cent. of average.				
1878	235	42.8	82	178	33.5	108	195	31.3	126	211	28.0	130	199	30.1	114	181	29.2	108	192	30.4	115	187	44.1	92	202	35.4	102	207	40.2	104	228	37.2	97	218	40.2	100	209	39.4	99	243	40.6	125	201	34.9	105	105
1879	217	36.0	89	198	37.4	121	203	26.0	105	227	30.5	130	199	29.7	113	197	32.2	120	205	31.2	118	199	42.8	89	195	34.1	98	207	39.8	97	219	39.4	98	210	38.6	97	228	35.2	108	208	34.9	104	104			
1880	210	42.7	82	184	33.2	107	180	30.2	122	192	27.7	118	176	33.7	128	175	32.4	120	181	31.3	118	198	41.9	87	179	36.4	105	190	36.4	94	216	35.4	92	198	40.9	102	196	38.1	95	223	36.8	113	189	34.7	104	104
1881	222	44.8	86	199	37.0	120	197	28.2	114	193	25.8	110	177	27.7	105	171	28.6	106	187	29.5	111	206	47.6	99	190	40.1	115	195	39.3	102	234	36.9	96	209	40.7	101	207	40.9	102	208	33.9	104	197	35.2	106	121
1882	254	50.2	96	223	40.4	131	207	30.4	123	197	29.6	137	210	36.5	139	197	31.4	117	207	33.7	127	233	54.0	113	232	43.1	124	235	50.4	131	253	41.6	109	240	45.9	114	237	47.0	118	239	39.5	121	222	40.4	105	105
1883	247	50.0	96	197	32.8	106	196	25.9	105	199	27.8	119	190	30.8	117	183	26.5	99	193	28.8	109	221	53.2	111	197	35.4	102	217	38.5	100	247	40.0	104	218	45.3	112	220	42.5	106	230	34.5	106	207	35.7	107	107
1884	235	54.4	104	191	29.3	95	163	19.9	80	163	20.9	89	166	22.4	85	165	23.3	87	169	23.2	88	215	53.5	111	188	33.0	95	203	35.9	93	235	41.4	108	207	36.9	92	210	40.1	100	215	29.9	92	190	31.7	95	96
1885	246	46.4	89	182	27.1	88	180	23.2	94	182	26.1	112	185	27.4	104	171	27.4	102	180	26.2	99	203	44.6	93	191	31.3	90	205	39.3	102	212	33.3	87	209	39.6	98	204	37.6	94	219	31.2	96	192	31.9	96	96
Lustrum ..	241	49.2	94	198	33.3	108	188	25.5	103	187	26.0	111	186	29.0	110	177	27.4	102	187	28.2	106	216	50.6	105	198	36.6	105	211	40.7	105	236	38.6	101	217	41.7	104	216	41.6	104	222	33.8	104	202	34.9	105	105
1886	263	51.7	99	204	31.7	103	199	29.2	118	193	25.0	107	202	33.1	126	195	32.9	122	199	30.3	114	218	48.1	100	214	43.0	124	218	46.5	120	234	42.8	112	227	46.3	115	222	45.3	113	251	38.6	118	211	37.8	114	114
1887	241	45.6	87	183	24.4	79	174	20.6	83	166	18.2	78	148	19.2	73	150	21.5	80	164	20.8	78	181	39.0	81	163	24.9	72	159	28.3	73	188	32.3	84	159	28.5	71	170	30.6	77	181	26.2	80	167	25.7	77	77
1888	242	47.8	92	208	30.4	98	187	25.6	103	188	23.2	99	175	26.8	102	184	28.5	106	188	26.9	102	200	46.5	97	200	31.1	89	208	38.4	99	217	36.9	96	197	39.9	99	204	38.6	97	228	31.9	98	196	32.8	99	99
1889	245	46.1	88	197	26.0	84	182	24.1	97	189	25.2	108	175	26.8	102	175	25.6	95	184	25.5	96	211	42.4	88	197	35.9	93	197	35.9	93	232	38.5	101	210	37.6	93	209	37.4	94	210	36.2	93	197	31.5	95	95
1890	264	60.3	116	222	32.9	106	193	25.0	101	184	21.6	92	182	22.0	84	180	25.4	94	192	25.4	96	224	52.8	110	210	35.0	101	218	38.1	99	246	38.8	101	229	41.4	103	225	41.2	104	216	33.1	102	209	33.3	100	100
Lustrum ..	251	50.3	96	203	29.0	94	187	24.9	100	184	22.6	97	176	25.6	97	177	26.8	100	185	25.8	97	207	45.8	96	197	33.3	96	200	37.4	97	223	37.9	99	204	38.7	96	206	38.6	97	217	32.0	98	196	32.2	97	97
1891	242	52.8	101	184	30.9	100	181	24.6	99	197	25.6	109	192	30.1	114	190	33.2	123	189	28.9	104	186	38.3	110	200	45.1	117	225	35.3	92	204	41.5	103	204	42.0	105	201	36.7	113	197	35.5	107	107			
1892	253	49.8	95	201	28.2	91	197	25.6	103	180	25.9	111	176	23.1	88	160	24.4	91	183	25.4	96	206	46.5	97	205	37.2	107	192	31.1	81	232	38.0	99	203	40.1	100	208	38.6	97	195	29.2	90	196	32.0	96	96
1893	252	57.9	111	199	27.3	88	173	20.4	82	171	20.0	86	164	20.8	79	162	23.5	87	174	22.4	85	205	43.0	90	191	31.4	90	173	34.0	87	217	34.0	89	189	32.6	91	195	34.9	87	185	28.4	87	185	28.7	86	86
1894	234	53.5	102	201	33.0	110	208	25.8	104	205	25.5	109	196	27.4	104	196	32.1	119	210	28.9	109	219	49.6	103	213	36.3	104	214	44.9	116	234	38.0	99	212	43.5	108	218	42.5	106	221	38.6	118	210	35.7	107	107
1895	237	49.3	94	185	31.5	102	189	27.7	112	165	23.2	99	163	24.7	94	160	24.9	93	174	26.4	100	196	38.3	98	183	32.3	93	177	37.3	93	218	35.6	93	192	38.0	94	193	36.3	91	199	31.9	98	184	31.4	94	94
Lustrum ..	244	52.7	101	196	30.4	98	190	24.8	100	184	24.0	103	178	25.2	96	174	27.6	103	184	26.4	100	206	45.5	95	196	35.1	101	191	38.4	99	225	36.2	95	200	39.1	97	204	38.9	97	200	33.0	101	194	32.7	98	98
1896	252	56.2	108	213	29.5	95	196	25.3	102	190	23.8	102	184	24.6	94	173	25.8	96	191	25.7	97	216	45.4	95	200	35.2	101	186	33.7	87	226	39.2	102	199	36.8	91	205	38.1	95	208	30.2	93	198	31.9	96	96
1897	231	46.6	89	204	30.3	98	183	24.4	98	174	22.1	94	178	22.0	106	168	26.7	99	181	26.3	99	222	47.0	98	199	37.1	107	206	43.7	112	234	41.1	107	219	47.8	119	216	43.3	108	218	35.9	110	199	34.8	105	105
1898	262	66.1	127	204	29.7	96	176	21.9	88	156	19.5	83	162	22.0	84	150	21.7	81	170	23.0	87	228	46.5	97	202	33.8	97	188	35.6	92	245	37.8	99	202	39.4	98	213	38.6	97	208	28.4	87	192	30.8	92	92
1899	233	53.3	102	200	33.0	107	173	24.3	98	158	21.9	94	154	25.2	96	137	25.0	93	164	25.9	98	221	49.0	102	187	35.6	102	175	38.7	102	228	38.4	100	191	42.7	106	200	40.9	102	169	29.1	89	182	33.4	100	100
1900	260	56.9	109	224	37.2	120	188	29.2	118	189	23.4	100	183	28.5	108	175	27.3	102	192	29.1	110	237	56.9	119	202	38.7	111	213	44.5	115	242	41.61														

An investigation recently carried out has shown that in some districts the selection of stations has not been such as to give results comparable with those now being issued. In these cases the earlier figures have been revised in order to make them as comparable with the current ones as possible. All values revised are shown in italic type. Particulars of the changes made will be published in a Report on the Seasons of the British Islands now in course of preparation. The 25 years average in each district is shown in clarendon type.

* Minimum and † Maximum values, 1878-1910.

‡ Year containing 53 weeks.

Meteorological Office, South Kensington, London, S.W.
February 2, 1911.

W. N. SHAW,
Director.

TABLE II.—MEAN TEMPERATURE AND DIFFERENCE FROM AVERAGE FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.										Western Districts.									
	0. SCOT- LAND, N.	1. SCOT- LAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.E.	DISTRICTS 1-5.		6. SCOT- LAND, W.	7. ENGLAND, N.W. AND N. WALES.	8. S. WALES AND ENG- LAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	DISTRICTS 6-10.		11. ENGLISH CHANNEL.	DISTRICTS 1-10.			
1878 ..	46.0	+ 0.8	46.1	+ 0.3	47.7	+ 0.4	48.7	+ 0.5	49.1	+ 1.2	49.9	+ 0.3	48.3	+ 0.5	48.3	+ 0.5	48.3	+ 0.5	48.3	+ 0.5
1879 ..	43.9	+ 1.6	43.2	+ 2.6	44.8	+ 2.5	45.6	+ 2.6	45.2	+ 2.1	45.7	+ 2.5	48.2	+ 1.3	45.9	+ 2.1	48.1	+ 1.4	46.6	+ 0.9
1880 ..	46.1	+ 0.6	46.0	+ 0.2	47.5	+ 0.2	48.6	+ 0.4	48.2	+ 0.3	49.8	+ 0.2	48.0	+ 0.2	47.6	+ 0.3	48.4	+ 0.2	51.0	+ 1.5
1881 ..	44.2	+ 1.3	44.2	+ 1.6	46.0	+ 1.3	47.5	+ 0.7	47.2	+ 0.7	48.9	+ 0.7	46.8	+ 1.0	46.0	+ 1.3	47.1	+ 1.1	49.2	+ 0.3
1882 ..	46.3	+ 0.8	46.3	+ 0.5	48.2	+ 0.9	48.9	+ 0.7	48.5	+ 0.6	50.2	+ 0.6	48.4	+ 0.6	47.9	+ 0.6	48.8	+ 0.6	50.1	+ 0.6
1883 ..	46.5	+ 0.6	46.5	+ 0.7	47.2	+ 0.1	48.3	+ 0.1	48.0	+ 0.1	49.5	+ 0.1	47.8	+ 0.0	47.2	+ 0.1	48.1	+ 0.1	49.4	+ 0.1
1884 ..	46.1	+ 0.6	46.7	+ 0.9	48.5	+ 1.2	49.6	+ 1.4	49.3	+ 1.4	50.8	+ 1.2	49.0	+ 1.2	48.2	+ 0.9	49.1	+ 0.9	50.5	+ 1.0
1885 ..	44.4	+ 1.1	44.9	+ 0.9	46.6	+ 0.7	47.3	+ 0.9	47.1	+ 0.8	48.8	+ 0.8	46.0	+ 0.9	46.0	+ 1.5	48.5	+ 1.0	48.4	+ 1.0
Lustrum ..	45.3	+ 0.2	45.6	+ 0.2	47.3	+ 0.0	48.3	+ 0.1	48.0	+ 0.1	49.6	+ 0.0	47.8	+ 0.0	47.1	+ 0.2	48.0	+ 0.2	49.5	+ 0.0
1886 ..	44.4	+ 1.1	44.6	+ 1.2	46.2	+ 1.1	47.3	+ 0.9	47.2	+ 0.7	48.8	+ 0.8	46.8	+ 1.0	46.0	+ 1.3	46.9	+ 1.2	48.6	+ 0.9
1887 ..	45.0	+ 0.6	45.9	+ 0.9	46.4	+ 0.9	46.9	+ 1.3	46.8	+ 1.1	47.9	+ 1.4	46.8	+ 1.0	46.5	+ 0.8	47.1	+ 1.1	48.2	+ 1.1
1888 ..	44.4	+ 1.1	44.9	+ 0.9	45.9	+ 1.4	46.8	+ 1.4	46.5	+ 1.4	48.0	+ 1.6	46.4	+ 1.4	46.5	+ 0.8	46.9	+ 1.3	48.1	+ 1.4
1889 ..	46.2	+ 0.7	46.4	+ 0.6	47.2	+ 0.1	47.7	+ 0.5	47.8	+ 0.1	49.3	+ 0.3	47.7	+ 0.1	47.8	+ 0.5	48.1	+ 0.1	49.2	+ 0.3
1890 ..	46.2	+ 0.7	46.3	+ 0.5	47.4	+ 0.1	47.7	+ 0.7	47.3	+ 0.6	48.9	+ 0.6	47.5	+ 0.3	47.5	+ 0.2	47.9	+ 0.3	49.0	+ 0.5
Lustrum ..	45.2	+ 0.3	45.6	+ 0.1	46.6	+ 0.7	47.2	+ 1.0	47.1	+ 0.8	48.6	+ 1.0	47.0	+ 0.8	46.9	+ 0.4	47.4	+ 0.8	48.7	+ 0.8
1891 ..	45.3	+ 0.2	45.4	+ 0.4	46.3	+ 1.0	47.3	+ 0.9	47.0	+ 0.9	48.7	+ 0.9	46.9	+ 0.9	47.1	+ 0.2	47.6	+ 0.6	48.6	+ 0.9
1892 ..	43.8	+ 1.9	44.0	+ 1.8	45.5	+ 1.8	46.8	+ 1.6	46.1	+ 1.8	48.2	+ 1.4	46.1	+ 1.7	45.6	+ 1.7	46.6	+ 1.8	48.2	+ 1.3
1893 ..	46.5	+ 1.0	47.0	+ 1.2	48.5	+ 1.2	49.4	+ 1.2	49.4	+ 1.2	51.0	+ 1.4	49.1	+ 1.3	48.7	+ 1.4	50.1	+ 1.9	51.2	+ 1.9
1894 ..	46.3	+ 0.8	46.0	+ 0.2	47.4	+ 0.1	48.6	+ 0.4	48.4	+ 0.5	50.2	+ 0.6	48.1	+ 0.3	47.8	+ 0.5	49.1	+ 0.9	49.9	+ 0.4
1895 ..	44.8	+ 0.7	44.8	+ 1.0	46.8	+ 0.5	47.6	+ 0.7	47.2	+ 0.7	48.9	+ 0.7	47.1	+ 0.7	46.4	+ 0.9	47.5	+ 0.7	48.8	+ 0.7
Lustrum ..	45.3	+ 0.2	45.4	+ 0.4	46.9	+ 0.4	47.9	+ 0.3	47.7	+ 0.2	49.4	+ 0.2	47.5	+ 0.3	47.1	+ 0.2	48.2	+ 0.0	49.3	+ 0.2
1896 ..	46.3	+ 0.8	46.7	+ 0.9	47.9	+ 0.6	48.5	+ 0.3	48.3	+ 0.4	50.1	+ 0.5	48.3	+ 0.5	48.0	+ 0.7	49.0	+ 0.8	50.1	+ 0.8
1897 ..	45.5	+ 0.0	45.9	+ 0.1	47.7	+ 0.4	48.7	+ 0.5	48.5	+ 0.6	50.7	+ 1.1	48.3	+ 0.5	47.7	+ 0.4	48.9	+ 0.8	50.5	+ 1.0
1898 ..	46.7	+ 1.2	47.4	+ 1.6	49.0	+ 1.7	51.4	+ 1.8	49.4	+ 1.8	50.4	+ 1.7	50.0	+ 1.8	49.0	+ 1.7	50.0	+ 1.8	51.2	+ 1.7
1899 ..	46.3	+ 0.8	46.3	+ 0.5	48.1	+ 0.8	49.4	+ 1.2	49.0	+ 1.1	51.2	+ 1.6	48.8	+ 1.0	48.1	+ 0.8	49.3	+ 1.1	51.2	+ 1.7
1900 ..	45.7	+ 0.2	45.8	+ 0.0	48.0	+ 0.7	49.3	+ 1.1	48.7	+ 0.8	50.4	+ 0.8	48.4	+ 0.6	47.6	+ 0.3	48.7	+ 0.5	50.0	+ 0.5
Lustrum ..	46.1	+ 0.6	46.4	+ 0.6	48.1	+ 0.9	49.1	+ 0.9	48.8	+ 0.9	50.8	+ 1.2	48.6	+ 0.8	48.1	+ 0.8	49.2	+ 1.0	50.6	+ 1.1
1901 ..	46.1	+ 0.6	46.1	+ 0.3	47.7	+ 0.4	48.3	+ 0.1	47.9	+ 0.0	49.4	+ 0.2	47.9	+ 0.1	47.5	+ 0.2	48.4	+ 0.2	49.5	+ 0.0
1902 ..	45.0	+ 0.5	44.9	+ 0.0	47.0	+ 0.3	48.0	+ 0.2	47.5	+ 0.4	49.1	+ 0.5	47.3	+ 0.5	46.9	+ 0.4	47.7	+ 0.5	49.2	+ 0.3
1903 ..	45.0	+ 0.5	45.4	+ 0.4	47.5	+ 0.2	49.1	+ 0.9	48.5	+ 0.2	50.0	+ 0.1	48.0	+ 0.2	47.4	+ 0.1	48.4	+ 0.2	49.7	+ 0.5
1904 ..	46.7	+ 0.9	46.7	+ 0.1	47.9	+ 0.6	48.9	+ 0.7	47.8	+ 0.1	49.5	+ 0.4	48.1	+ 0.2	47.3	+ 0.1	48.1	+ 0.2	49.7	+ 0.5
1905 ..	46.0	+ 0.6	46.3	+ 0.5	48.0	+ 0.7	49.0	+ 0.8	48.1	+ 0.2	49.4	+ 0.2	48.2	+ 0.4	47.7	+ 0.4	48.4	+ 0.2	49.2	+ 0.3
Lustrum ..	45.6	+ 0.1	45.7	+ 0.1	47.8	+ 0.3	48.7	+ 0.5	47.9	+ 0.0	49.5	+ 0.1	47.9	+ 0.1	47.3	+ 0.0	48.2	+ 0.0	49.5	+ 0.0
25 yrs Av. ..	45.5	+ 0.1	45.8	+ 0.1	47.3	+ 0.1	48.2	+ 0.1	47.9	+ 0.1	49.6	+ 0.1	47.8	+ 0.1	47.3	+ 0.1	48.2	+ 0.1	49.5	+ 0.1
1906 ..	45.6	+ 0.2	46.5	+ 0.7	48.5	+ 1.2	49.7	+ 1.5	49.0	+ 1.1	50.0	+ 0.3	48.7	+ 0.7	48.0	+ 0.4	48.8	+ 0.4	49.5	+ 0.4
1907 ..	45.3	+ 0.2	45.5	+ 0.3	47.4	+ 0.1	48.6	+ 0.4	47.8	+ 0.1	49.3	+ 0.3	47.7	+ 0.0	47.3	+ 0.0	47.8	+ 0.4	48.8	+ 0.2
1908 ..	46.3	+ 0.8	46.2	+ 0.4	47.8	+ 0.5	48.6	+ 0.4	48.1	+ 0.2	49.0	+ 0.2	48.0	+ 0.2	48.1	+ 0.1	48.4	+ 0.2	49.7	+ 0.5
1909 ..	44.7	+ 0.8	44.8	+ 1.0	46.7	+ 0.6	47.7	+ 0.5	47.7	+ 0.9	48.3	+ 1.3	46.9	+ 0.9	46.3	+ 1.0	47.1	+ 1.1	48.5	+ 0.9
1910 ..	45.6	+ 0.1	45.5	+ 0.3	47.6	+ 0.3	49.0	+ 0.8	48.2	+ 0.3	49.6	+ 0.3	48.0	+ 0.2	47.4	+ 0.1	48.2	+ 0.0	49.4	+ 0.1
Lustrum ..	45.5	+ 0.0	45.7	+ 0.1	47.6	+ 0.3	48.7	+ 0.5	48.0	+ 0.1	49.3	+ 0.3	47.9	+ 0.1	47.4	+ 0.1	48.0	+ 0.2	49.1	+ 0.4

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the introduction to this and previous volumes.
(Page V, 1906.)

TABLE III.—BRIGHT SUNSHINE, IN THOUSAND-HOURS, WITH PERCENTAGES OF AVERAGE FOR 25 YEARS, 1881-1905.

YEARS.	Eastern Districts.										Western Districts.																			
	0. SCOT- LAND, N.		1. SCOT- LAND, E.		2. ENGLAND, N.E.		3. ENGLAND, E.		4. MIDLAND COUNTIES.		5. ENGLAND, S.E.		DISTRICTS 1-5.		6. SCOT- LAND, W.		7. ENGLAND, N.W. AND N.WALES.		8. S. WALES AND ENG- LAND, S.W.		9. IRELAND, N.		10. IRELAND, S.		DISTRICTS 6-10.		11. ENGLISH CHANNEL.		DISTRICTS 1-10.	
	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.	Th-hrs.	Per cent. of av.
1881	1'08	97	1'28	96	1'48	103	1'58	100	1'47	105	1'65	103	1'49	101	1'36	100	1'37	99	1'68	108	1'38	108	1'50	103	1'46	104	1'97	104	1'48	103
1882	1'10	99	1'41	106	1'58	110	1'54	97	1'38	98	1'65	103	1'51	103	1'35	99	1'30	94	1'50	96	1'38	108	1'53	106	1'41	100	1'85	97	1'46	101
1883	1'12	101	1'37	103	1'49	103	1'59	101	1'40	100	1'54	96	1'48	101	1'41	104	1'42	102	1'49	96	1'26	98	1'46	101	1'41	100	1'88	99	1'45	101
1884	1'09	98	1'29	92	1'37	95	1'50	95	1'29	92	1'37	88	1'35	92	1'21	89	1'24	89	1'38	88	1'06	83	1'27	88	1'23	87	1'85	97	1'29	90
1885	1'09	98	1'37	103	1'12	78	1'50	95	1'39	99	1'49	93	1'37	93	1'32	97	1'29	93	1'49	96	1'24	97	1'49	103	1'37	97	1'85	99	1'37	95
Lustrum	1'08	97	1'33	100	1'41	98	1'54	97	1'39	99	1'64	96	1'44	98	1'33	98	1'32	95	1'51	97	1'26	98	1'45	100	1'37	97	1'89	99	1'41	98
1886	1'16	105	1'31	99	1'33	93	1'53	97	1'27	91	1'52	95	1'39	95	1'23	90	1'25	90	1'36	88	1'10	86	1'28	88	1'24	88	1'83	96	1'32	92
1887	0'88	79	1'37	103	1'53	106	1'70	108	1'55	111	1'68	105	1'57	107	1'48	109	1'52	109	1'84	118	1'37	107	1'71	118	1'58	112	2'12	112	1'68	110
1888	1'03	93	1'23	92	1'24	86	1'27	80	1'17	84	1'25	78	1'23	84	1'28	94	1'20	86	1'37	88	1'17	91	1'39	96	1'28	91	1'71	90	1'26	88
1889	0'86	77	1'22	92	1'27	88	1'33	84	1'22	87	1'30	81	1'27	86	1'29	95	1'24	89	1'39	89	1'12	88	1'38	95	1'28	91	1'72	91	1'28	89
1890	1'04	94	1'29	97	1'38	96	1'67	99	1'37	98	1'49	93	1'42	97	1'30	96	1'25	90	1'45	92	1'26	98	1'40	97	1'33	94	1'84	97	1'38	96
Lustrum	0'99	89	1'28	96	1'35	94	1'48	94	1'32	94	1'45	91	1'38	94	1'32	97	1'29	93	1'48	95	1'20	94	1'43	99	1'34	95	1'84	97	1'36	94
1891	1'20	108	1'38	104	1'36	94	1'44	91	1'35	96	1'56	98	1'42	97	1'37	101	1'26	91	1'51	97	1'35	105	1'49	103	1'40	99	2'04	107	1'41	98
1892	1'16	105	1'41	106	1'45	101	1'53	97	1'47	105	1'68	105	1'51	103	1'42	104	1'43	103	1'61	103	1'31	102	1'46	100	1'44	102	1'99	105	1'48	103
1893	1'04	94	1'44	108	1'73	120	1'83	116	1'72	123	1'88	118	1'72	117	1'54	113	1'50	108	1'82	117	1'38	108	1'53	106	1'55	110	2'30	121	1'64	114
1894	1'19	107	1'36	102	1'45	101	1'46	92	1'33	95	1'58	99	1'44	98	1'35	99	1'29	93	1'62	97	1'26	98	1'37	94	1'36	96	1'76	93	1'40	97
1895	1'14	103	1'43	108	1'63	113	1'71	108	1'58	113	1'78	111	1'63	111	1'41	104	1'45	103	1'79	110	1'36	106	1'51	104	1'49	106	2'03	107	1'56	108
Lustrum	1'15	104	1'40	105	1'52	106	1'59	101	1'49	106	1'70	106	1'54	105	1'42	104	1'38	99	1'64	105	1'33	104	1'47	101	1'45	103	2'02	106	1'50	104
1896	1'04	94	1'32	99	1'40	97	1'51	96	1'35	96	1'61	101	1'43	97	1'35	99	1'33	96	1'65	106	1'25	98	1'45	100	1'40	99	1'93	102	1'42	99
1897	1'30	117	1'42	107	1'59	110	1'61	102	1'52	109	1'70	106	1'57	107	1'40	103	1'53	110	1'54	99	1'30	102	1'44	99	1'44	102	1'75	92	1'51	105
1898	1'23	111	1'38	104	1'37	95	1'56	99	1'39	99	1'54	96	1'45	99	1'32	97	1'43	103	1'62	104	1'30	102	1'49	103	1'43	101	1'97	104	1'44	100
1899	1'21	109	1'41	106	1'52	106	1'66	118	1'63	116	1'89	124	1'68	114	1'35	99	1'61	116	1'80	105	1'41	101	1'61	111	1'56	111	2'12	112	1'62	113
1900	1'09	98	1'22	92	1'34	93	1'68	106	1'40	100	1'74	109	1'48	101	1'30	96	1'49	107	1'63	104	1'31	102	1'46	101	1'44	102	1'93	102	1'46	101
Lustrum	1'17	105	1'35	102	1'44	100	1'64	104	1'46	104	1'71	107	1'52	103	1'34	99	1'48	106	1'65	106	1'31	102	1'49	103	1'45	103	1'94	102	1'49	103
1901	1'27	114	1'46	110	1'71	119	1'82	115	1'49	106	1'77	111	1'65	112	1'53	113	1'68	121	1'63	104	1'36	106	1'49	103	1'54	109	1'92	101	1'60	111
1902	1'10	99	1'13	85	1'36	94	1'57	99	1'30	93	1'49	93	1'37	93	1'23	90	1'44	104	1'45	93	1'24	97	1'40	97	1'35	96	1'75	92	1'36	94
1903	1'04	94	1'17	88	1'42	99	1'45	92	1'26	90	1'53	96	1'37	93	1'30	96	1'39	100	1'45	92	1'19	93	1'34	92	1'33	94	1'75	92	1'35	94
1904	1'18	106	1'28	96	1'45	101	1'66	105	1'39	99	1'62	101	1'48	101	1'32	97	1'44	104	1'54	99	1'24	97	1'36	94	1'38	98	1'83	96	1'43	99
1905	1'14	103	1'37	103	1'52	106	1'64	104	1'42	101	1'60	100	1'51	103	1'50	110	1'49	107	1'58	101	1'42	111	1'41	97	1'48	105	1'75	92	1'50	104
Lustrum	1'15	104	1'28	96	1'49	103	1'63	103	1'37	98	1'60	100	1'47	100	1'38	101	1'49	107	1'52	97	1'29	101	1'40	97	1'42	101	1'80	95	1'45	101
25 years average	1'11	—	1'33	—	1'44	—	1'58	—	1'40	—	1'60	—	1'47	—	1'36	—	1'39	—	1'56	—	1'28	—	1'45	—	1'41	—	1'90	—	1'44	—
1906	1'17	105	1'44	108	1'60	111	1'81	115	1'56	111	1'86	116	1'65	112	1'44	106	1'52	109	1'71	110	1'36	106	1'50	103	1'51	107	1'94	102	1'58	110
1907	1'12	101	1'31	98	1'48	103	1'57	99	1'40	100	1'63	102	1'48	101	1'25	92	1'40	104	1'52	97	1'22	95	1'33	92	1'34	95	1'77	93	1'41	98
1908	1'08	97	1'30	98	1'41	98	1'59	101	1'39	99	1'74	109	1'49	101	1'30	98	1'50	108	1'62	104	1'29	101	1'38	95	1'42	101	1'91	100	1'43	101
1909	1'16	105	1'33	100	1'40	98	1'62	103	1'45	104	1'74	109	1'51	103	1'43	105	1'51	109	1'70	109	1'29	101	1'51	104	1'49	106	1'98	104	1'50	104
1910	1'18	106	1'33	100	1'36	94	1'47	93	1'33	95	1'53	96	1'40	95	1'36	100	1'44	104	1'53	98	1'29	101	1'37	94	1'40	99	1'74	92	1'40	97
Lustrum	1'14	103	1'34	101	1'45	101	1'61	102	1'43	102	1'70	106	1'51	103	1'36	100	1'47	106	1'62	104	1'29	101	1'42	98	1'43	101	1'87	98	1'47	105

WEEKLY WEATHER REPORT, 1910.

Thirty-third Year. } APPENDIX II. } RAIN-DAYS, RAINFALL, ACCUMULATED TEMPERATURE
 Vol. XXVII. [New Series.] } AND SUNSHINE.

[Price 1s.]

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAIN-DAYS IN EACH DISTRICT DURING THE YEAR 1910.

1910.		Eastern Districts.											Western Districts.											MEANS FOR DISTRICTS 1-10 COMBINED.	
WEEKS		0. SCOTLAND, N.	1. SCOTLAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.E.	MEANS FOR EASTERN DISTRICTS.	6. SCOTLAND, W.	7. ENGLAND, N.W. AND NORTH WALES.	8. SOUTH WALES AND ENGLAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	MEANS FOR WESTERN DISTRICTS.	11. ENGLISH CHANNEL.										
No. of Week.	Limiting Dates of each Week.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.								
NUMBERS OF RAIN-DAYS—1910.																									
1	Jan. 2-8	5	5	3	2	3	3	2	2	3	3	3	3	3	3	3	3								
2	9-15	7	12	6	9	5	7	5	8	6	8	6	9	6	10	6	9								
3	16-22	6	18	5	14	4	11	4	12	4	12	4	13	4	13	5	14								
4	23-29	5	23	5	19	6	17	6	18	5	17	5	18	5	18	3	18								
5	Jan. 30-Feb. 5	6	29	5	24	5	22	4	22	5	22	4	22	5	23	6	24								
6	Feb. 6-12	6	35	5	29	5	27	4	26	4	26	5	27	4	27	6	30								
7	13-19	7	42	6	35	6	33	5	31	7	33	6	33	6	33	7	37								
8	20-26	6	48	5	40	6	39	6	37	7	40	7	40	6	39	6	43								
9	Feb. 27-Mar. 5	4	52	3	43	2	41	3	40	2	42	3	43	3	42	4	47								
10	Mar. 6-12	6	58	5	48	4	45	6	45	5	47	6	49	5	47	5	52								
11	13-19	6	64	4	52	3	48	3	48	3	50	3	52	3	50	5	57								
12	20-26	4	68	1	53	0	48	1	49	0	50	0	52	0	50	1	58								
13	Mar. 27-Apr. 2	2	70	1	54	1	49	1	50	1	51	0	52	1	51	2	60								
14	April 3-9	4	74	4	58	3	52	3	53	3	54	3	55	3	54	3	63								
15	10-16	6	80	5	63	5	57	5	58	5	59	6	61	5	59	6	69								
16	17-23	6	86	4	67	4	61	3	61	4	63	4	65	4	63	6	75								
17	24-30	7	93	5	72	6	67	5	66	5	68	5	70	5	68	6	81								
18	May 1-7	6	99	5	77	6	73	6	72	6	74	6	76	6	74	6	87								
19	8-14	3	102	4	81	4	77	4	76	4	78	5	81	4	78	3	90								
20	15-21	2	104	4	85	5	82	4	80	5	83	4	85	4	82	4	94								
21	22-28	3	107	2	87	1	83	1	84	1	86	1	88	1	85	2	97								
22	May 29-June 4	5	112	4	91	4	87	5	86	5	89	4	90	5	88	5	102								
23	June 5-11	1	113	2	93	1	88	2	88	4	93	5	95	3	91	2	104								
24	12-18	2	115	2	95	1	89	1	89	1	94	1	96	1	92	1	105								
25	19-25	4	119	5	100	4	93	4	93	4	98	4	100	4	96	3	108								
26	June 26-July 2	6	125	6	106	6	99	6	99	6	104	5	105	6	102	6	114								
27	July 3-9	3	128	3	109	5	104	6	105	3	107	4	109	4	106	2	116								
28	10-16	1	129	1	110	1	105	2	107	1	108	1	110	1	107	0	116								
29	17-23	4	133	4	114	4	109	5	112	3	111	4	114	4	111	4	120								
30	24-30	6	139	6	120	3	112	3	115	4	115	3	117	4	115	7	127								
31	July 31-Aug. 6	5	144	5	125	4	116	4	119	3	118	4	121	4	119	5	132								
32	Aug. 7-13	3	147	2	127	3	119	3	122	4	122	3	124	3	122	2	134								
33	14-20	6	153	6	133	5	124	3	125	4	126	3	127	4	126	7	141								
34	21-27	5	158	6	139	6	130	5	130	5	131	4	131	5	131	6	147								
35	Aug. 28-Sept. 3	5	163	5	144	4	134	5	135	4	135	3	134	4	135	5	152								
36	Sept. 4-10	2	165	2	146	2	136	2	137	1	136	1	135	2	137	2	154								
37	11-17	2	167	1	147	2	138	4	141	2	138	3	138	2	139	1	155								
38	18-24	5	172	2	149	1	139	2	143	1	139	0	138	1	140	2	157								
39	25-Oct. 1	5	177	2	151	3	142	2	145	3	142	2	140	3	143	5	162								
40	Oct. 2-8	6	183	2	153	2	144	1	146	1	143	1	141	1	144	3	165								
41	9-15	3	186	2	155	2	146	3	149	4	147	5	146	3	147	2	167								
42	16-22	4	190	5	160	5	151	4	153	4	151	5	151	5	152	4	171								
43	23-29	3	193	5	165	3	154	3	156	4	155	3	154	4	156	1	172								
44	Oct. 30-Nov. 5	6	199	5	170	3	157	4	160	4	159	4	158	4	160	4	176								
45	Nov. 6-12	6	205	5	175	5	162	5	165	5	164	5	163	5	165	5	181								
46	13-19	6	211	5	180	6	168	5	170	4	168	4	167	5	170	5	186								
47	20-26	4	215	5	185	3	171	3	173	4	172	3	170	4	174	4	190								
48	Nov. 27-Dec. 3	4	219	5	190	5	176	6	179	5	177	6	176	5	179	3	193								
49	Dec. 4-10	6	225	6	196	5	181	5	184	7	184	6	182	6	185	7	200								
50	11-17	7	232	6	202	7	188	6	190	7	191	7	189	7	192	7	207								
51	18-24	7	239	5	207	3	191	5	195	5	196	3	192	4	196	7	214								
52	Dec. 25-31	7	246	3	210	3	194	4	199	3	199	3	195	3	199	6	220								

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF RAINFALL IN EACH DISTRICT DURING THE YEAR 1910.

1910.		Eastern Districts.											Western Districts.											MEANS FOR DISTRICTS 1-10 COMBINED.							
WEEKS.		0. SCOTLAND, N.	1. SCOTLAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.E.	MEANS FOR EASTERN DISTRICTS.		6. SCOTLAND, W.	7. ENGLAND, N.W. AND NORTH WALES.	8. SOUTH WALES AND ENGLAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.														
No. of Week.	Limiting Dates of each Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.	For the Week.														
		From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.	From Jan. 2, 1910.														
RAINFALL IN INCHES—1910.																															
1	Jan. 2-8	1.51	1.51	0.31	0.31	0.09	0.05	0.11	0.07	0.13	0.13	0.82	0.82	0.35	0.18	0.18	0.39	0.33	0.42	0.42	0.08	0.08	0.27	0.27							
2	9-15	2.56	4.07	1.27	1.58	0.54	0.63	0.38	0.43	0.78	0.89	0.61	0.68	0.72	0.85	1.89	2.71	1.84	2.19	1.18	1.36	1.62	2.01	1.33	1.66	1.67	1.99	0.96	1.04	1.15	1.42
3	16-22	1.37	5.44	0.70	2.28	0.25	0.88	0.29	0.72	0.47	1.36	0.47	1.15	0.44	1.29	0.86	3.57	0.69	2.88	1.15	2.41	1.00	3.01	0.77	2.43	0.89	2.88	1.37	2.41	0.67	2.09
4	23-29	0.61	6.05	0.62	2.90	1.23	2.11	1.18	1.90	0.96	2.32	1.43	2.58	1.08	2.37	0.69	4.26	1.17	4.05	1.87	4.38	0.65	3.66	1.32	3.75	1.14	4.02	1.54	3.95	1.11	3.20
5	Jan. 30-Feb. 5	1.12	7.17	0.34	3.24	0.46	2.57	0.25	2.15	0.44	2.76	0.40	2.98	0.38	2.75	1.19	5.45	0.88	4.93	0.93	5.31	0.66	4.32	0.76	4.51	0.88	4.90	0.63	4.58	0.63	3.83
6	Feb. 6-12	1.02	8.19	0.43	3.67	0.44	3.01	0.28	2.43	0.28	3.04	0.38	3.36	0.36	3.11	1.09	6.54	0.83	5.76	0.81	6.12	0.88	5.20	0.65	5.16	0.85	5.75	0.63	5.21	0.60	4.43
7	13-19	1.90	10.09	1.18	4.85	0.52	3.53	0.64	3.07	0.89	3.93	1.13	4.49	0.87	3.98	2.39	8.93	1.14	6.90	1.56	7.68	2.01	7.21	2.09	7.25	1.84	7.59	1.12	6.33	1.36	5.79
8	20-26	0.83	10.92	0.72	5.57	0.75	4.28	1.06	4.13	1.23	5.16	1.50	5.99	1.05	5.03	1.25	10.18	1.33	8.23	1.80	9.48	1.43	8.64	1.75	9.00	1.61	9.10	1.80	8.13	1.28	7.07
9	Feb. 27-Mar. 5	0.78	11.70	0.47	6.04	0.14	4.42	0.22	4.35	0.11	5.27	0.19	6.18	0.23	5.26	1.14	11.32	0.66	8.89	0.40	9.88	1.08	9.72	1.70	10.70	1.90	10.10	0.41	8.54	0.62	7.69
10	Mar. 6-12	1.18	12.88	0.77	6.81	0.36	4.78	0.65	5.00	0.47	5.74	1.16	7.34	0.68	5.94	1.11	12.43	0.72	9.61	0.68	10.56	1.24	10.96	1.00	11.70	0.95	11.05	1.46	10.00	0.81	8.50
11	13-19	1.18	14.06	0.38	7.19	0.17	4.95	0.18	5.18	0.10	5.84	0.14	7.48	0.19	6.13	0.40	12.83	0.24	9.85	0.22	10.78	0.44	11.40	0.59	12.29	0.38	11.43	0.20	10.20	0.29	8.79
12	20-26	0.30	14.36	0.05	7.24	0.00	4.95	0.01	5.19	0.00	5.84	0.00	7.48	0.01	6.14	0.04	12.87	0.01	9.86	0.00	10.78	0.15	11.55	0.07	12.36	0.06	11.49	0.00	10.20	0.03	8.82
13	27-Apr. 2	0.25	14.61	0.10	7.34	0.02	4.97	0.02	5.21	0.02	5.86	0.00	7.48	0.03	6.17	0.27	13.14	0.10	9.96	0.02	10.80	0.19	11.74	0.18	12.54	0.15	11.64	0.00	10.20	0.09	8.91
14	April 3-9	0.30	14.91	0.36	7.70	0.48	5.45	0.54	5.75	0.46	6.32	0.53	8.01	0.48	6.65	0.23	13.37	0.34	10.30	0.48	11.28	0.20	11.94	0.24	12.78	0.30	11.94	0.22	10.42	0.39	9.30
15	10-16	3.19	18.10	2.08	9.78	0.85	6.30	0.61	6.36	0.88	7.18	0.78	8.79	1.04	7.69	1.86	15.23	1.04	11.34	0.89	12.17	0.71	12.65	0.93	13.71	1.09	13.03	0.75	11.17	1.06	10.36
16	17-23	1.51	19.61	0.59	10.37	0.24	6.54	0.34	6.70	0.32	7.50	0.36	9.15	0.37	8.06	0.79	16.02	0.57	11.91	0.62	12.79	0.71	13.36	1.00	14.71	0.74	13.77	0.30	11.47	0.55	10.91
17	24-30	1.30	20.91	0.44	10.81	0.42	6.96	0.51	7.21	0.62	8.12	0.42	9.57	0.48	8.54	0.67	16.69	0.82	12.73	0.46	13.25	0.66	14.02	0.50	15.21	0.62	14.39	0.35	11.82	0.55	11.46
18	May 1-7	1.85	22.56	0.37	11.18	0.50	7.46	1.01	8.22	0.55	8.67	0.67	10.24	0.62	9.16	1.07	17.76	1.01	13.74	0.70	13.95	1.03	15.05	0.85	16.06	0.93	15.32	0.56	12.38	0.77	12.23
19	8-14	0.37	22.93	0.37	11.75	0.63	8.09	0.84	9.06	0.40	9.07	0.59	10.83	0.61	9.77	0.31	18.07	0.22	13.96	0.50	14.45	0.41	15.46	0.73	16.79	0.43	15.75	0.75	13.13	0.52	12.75
20	15-21	0.09	23.02	0.41	12.16	0.90	8.99	0.79	9.85	0.64	9.71	0.57	11.40	0.66	10.43	0.45	18.52	0.64	14.60	0.76	15.21	0.54	16.00	0.74	17.53	0.63	16.38	0.86	13.99	0.64	13.39
21	22-28	0.34	23.36	0.10	12.26	0.07	9.06	0.11	9.96	0.06	9.77	0.07	11.47	0.08	10.51	0.19	18.71	0.09	14.69	0.11	15.32	0.18	16.18	0.06	17.59	0.13	16.51	0.00	13.99	0.11	13.50
22	May 29-June 4	1.25	24.61	0.32	12.58	0.43	9.49	0.35	10.31	0.37	10.14	0.28	11.75	0.35	10.86	0.76	19.47	0.84	15.33	0.56	15.88	0.53	16.71	0.90	18.49	0.72	17.23	0.42	14.41	0.54	14.04
23	June 5-11	0.07	24.68	0.15	12.73	0.07	9.56	0.40	10.71	1.27	11.41	1.27	13.02	0.63	11.49	0.21	19.68	0.55	16.08	2.01	17.89	0.64	17.35	0.82	19.31	0.85	18.08	1.95	16.36	0.74	14.78
24	12-18	0.34	25.02	0.15	12.88	0.14	9.70	0.08	10.79	0.02	11.43	0.18	13.20	0.11	11.60	0.03	19.71	0.00	17.89	0.03	17.88	0.04	19.35	0.12	18.20	0.00	16.36	0.12	14.90	0.12	14.90
25	19-25	0.57	25.59	0.44	13.32	0.59	10.29	0.91	11.70	0.82	12.25	0.63	13.83	0.68	12.28	1.11	20.82	0.70	16.78	0.79	18.68	1.49	19.28	2.07	21.42	1.20	19.40	0.25	16.61	0.94	15.84
26	26-July 2	0.92	26.51	0.78	14.10	0.76	11.05	0.90	12.60	0.78	13.03	0.89	14.72	0.82	13.10	0.79	21.61	1.41	18.19	0.69	19.37	1.21	20.49	0.84	22.26	0.99	20.39	0.45	17.06	0.91	16.75
27	July 3-9	0.34	26.85	0.67	14.77	1.04	12.09	1.27	13.87	1.02	14.05	0.88	15.58	0.97	14.07	0.81	22.42	1.18	19.37	0.49	19.86	0.59	21.08	0.46	22.72	0.71	21.10	0.49	17.55	0.84	17.59
28	10-16	0.01	26.86	0.03	14.80	0.03	12.12	0.02	13.89	0.01	14.06	0.20	15.78	0.06	14.13	0.00	22.42	0.00	19.37	0.33	20.19	0.00	21.08	0.03	22.75	0.07	21.17	0.37	17.92	0.07	17.66
29	17-23	0.79	27.65	0.70	15.50	0.57	12.69	0.82	14.71	0.57	14.63	0.45	16.23	0.62	14.75	0.91	23.33	1.06	20.43	0.83	21.02	1.00	22.08	0.98	23.71	0.95	22.12	0.65	18.57	0.79	18.45
30	24-30	1.59	29.24	1.81	17.31	0.68	13.37	0.48	15.17	0.55	15.18	0.55	16.78	0.81	15.56	2.04	25.37	1.01	21.44	1.20	22.22	1.71	23.79	1.11	24.82	1.41	23.53	0.78	19.30	1.11	19.56
31	July 31-Aug. 8	0.71	29.95	0.75	18.06	0.19	13.56	0.43	15.60	0.34	15.52	0.75	17.53	0.50	16.06	0.98	26.35	1.43	21.87	1.08	23.30	2.46	24.68	1.28	26.08	0.93	24.46	0.78	20.08	0.72	20.28
32	Aug. 7-13	0.34	30.29	0.28	18.34	0.25	13.81	0.18	15.78	0.29	15.81	0.15	17.68	0.23	16.29	0.56	26.91	0.33	22.20	0.36	23.66	0.48	25.16	0.83	26.71	0.47	24.93	0.15	20.23	0.35	20.63
33	14-20	1.77	32.06	1.28	19.62	0.90	14.71	0.28	16.06	0.85	16.66	0.20	17.88	0.70	16.99	2.00	28.91	1.51	23.71	1.02	24.68	1.73	26.89	1.78	28.47	1.80	26.53	0.56	20.79	1.15	21.78
34	21-27	1.32	33.38	1.83	21.45	1.32	16.03	0.65	16.71	0.99	17.05	0.53	18.41	1.06	18.05	2.31	31.22	1.59	25.30	1.28	25.96	1.92	28.81	1.45	29.92	1.71	28.24	1.18	21.97	1.39	23.17
35	Aug. 28-Sept. 3	1.52	34.90	1.27	22.72	0.73	16.76	0.41	17.12	1.17	18.82	0.77	19.18	0.87	18.92	1.96	33.18	1.29	26.59	1.26	27.22	0.48	29.29	0.48	30.40	1.10	29.34	0.50	22.47	0.98	24.15
36	Sept. 4-10	0.27	35.17	0.26	22.98	0.14	16.90	0.11	17.23	0.03	18.85	0.02	19.20	0.11	19.03	0.40	33.58	0.08	26.67	0.05	27.27	0.17	29.46	0.17	30.57	0.18	29.52	0.04	22.51	0.14	24.29
37	11-17	0.05	35.22	0.06	23.04	0.14	17.04	1.05	18.28	0.35	19.20	0.36	19.56																		

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE 42° F. IN EACH DISTRICT DURING THE YEAR 1910.

1910.		Eastern Districts.											Western Districts.											MEANS FOR DISTRICTS 1-10 COMBINED.	
WEEKS.		0. SCOTLAND, N.	1. SCOTLAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.E.	MEANS FOR EASTERN DISTRICTS.		6. SCOTLAND, W.	7. ENGLAND, N.W. AND NORTH WALES.	8. SOUTH WALES AND ENGLAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.								
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.						
DAY-DEGREES ABOVE 42° FAHRENHEIT—1910.																									
1	Jan. 2-8	26	26	31	31	17	17	9	9	10	10	17	17	17	17	26	26	20	20						
2	9-15	1	27	1	32	12	29	24	33	18	26	25	42	18	33	10	36	21	40						
3	16-22	0	27	0	32	0	29	4	37	2	28	4	46	2	35	0	36	0	40						
4	23-29	0	27	0	32	0	29	0	37	0	28	0	46	0	35	0	36	0	40						
5	Jan. 30-Feb. 5	0	27	2	34	0	29	0	37	3	31	4	50	2	37	6	42	4	44						
6	Feb. 6-12	1	28	3	37	11	40	15	52	14	45	14	64	11	48	11	53	13	57						
7	13-19	7	35	10	47	26	66	29	81	30	75	26	90	24	72	12	65	25	82						
8	20-26	0	35	0	47	5	71	22	103	11	86	23	113	12	84	4	69	5	87						
9	Feb. 27-Mar. 5	13	48	11	58	13	84	17	120	21	107	26	139	17	101	18	87	26	113						
10	Mar. 6-12	14	62	16	74	28	112	31	151	32	139	29	168	27	128	23	110	25	138						
11	13-19	8	70	12	86	14	126	15	166	15	154	17	185	15	143	12	122	10	148						
12	20-26	28	98	36	122	39	165	35	201	37	191	34	219	36	179	29	151	29	177						
13	27-Apr. 2	33	131	40	162	26	191	21	222	28	219	24	243	28	207	38	189	26	203						
14	April 3-9	18	149	14	176	15	206	28	250	18	237	21	264	19	226	20	209	17	220						
15	10-16	8	157	15	191	41	247	45	295	48	285	46	310	39	265	19	228	35	255						
16	17-23	15	172	21	212	40	287	45	340	46	331	53	363	41	306	34	262	34	289						
17	24-30	17	189	33	245	36	323	41	381	37	368	39	402	37	343	29	291	30	319						
18	May 1-7	26	215	37	282	40	363	37	418	43	411	40	442	40	383	29	320	33	352						
19	8-14	44	259	41	323	45	408	47	465	51	465	47	489	47	430	51	371	46	398						
20	15-21	76	335	59	382	70	478	106	571	102	567	109	598	89	519	97	468	95	493						
21	22-28	71	406	78	460	78	556	97	668	99	666	107	705	92	611	95	563	92	585						
22	May 29-June 4	47	453	52	512	82	638	98	766	89	755	96	801	83	694	55	618	75	660						
23	June 5-11	86	539	87	599	103	741	127	893	126	881	135	936	116	810	115	733	122	782						
24	12-18	92	631	90	689	97	838	104	997	110	991	113	1049	103	913	100	833	106	888						
25	19-25	98	729	95	784	119	957	132	1129	131	1122	130	1179	121	1034	113	946	120	1008						
26	26-July 2	56	785	64	848	87	1044	98	1227	88	1210	100	1279	87	1121	78	1024	82	1090						
27	July 3-9	78	863	85	933	85	1129	90	1317	96	1306	100	1379	91	1212	92	1116	96	1186						
28	10-16	93	956	85	1018	95	1224	106	1423	114	1420	113	1492	103	1315	123	1239	123	1309						
29	17-23	81	1037	85	1103	108	1332	124	1547	113	1533	120	1612	110	1425	95	1334	100	1409						
30	24-30	83	1120	87	1190	113	1445	116	1663	110	1643	114	1726	108	1533	95	1429	110	1519						
31	July 31-Aug. 6	104	1224	104	1294	118	1563	130	1793	113	1756	123	1849	118	1651	107	1536	100	1628						
32	Aug. 7-13	114	1338	113	1407	127	1690	128	1921	127	1883	131	1980	125	1776	129	1665	126	1754						
33	14-20	106	1444	111	1518	130	1820	143	2064	135	2018	140	2120	132	1908	119	1784	129	1883						
34	21-27	77	1521	79	1597	107	1927	125	2189	113	2131	123	2243	100	2017	91	1875	102	1985						
35	Aug. 28-Sept. 3	85	1606	85	1682	101	2028	112	2301	104	2235	118	2361	104	2121	87	1962	97	2082						
36	Sept. 4-10	72	1678	70	1752	82	2110	90	2391	86	2321	93	2454	84	2205	85	2047	85	2167						
37	11-17	71	1749	68	1820	75	2185	96	2487	81	2402	99	2553	84	2289	78	2125	83	2250						
38	18-24	62	1811	63	1883	87	2252	78	2565	63	2465	78	2631	70	2359	67	2192	64	2314						
39	25-Oct. 1	68	1879	76	1959	104	2356	111	2676	103	2568	113	2744	101	2460	87	2279	102	2416						
40	Oct. 2-8	81	1960	88	2047	100	2456	103	2779	90	2658	105	2849	97	2557	88	2367	91	2507						
41	9-15	38	1998	43	2090	64	2520	82	2861	62	2720	83	2932	67	2624	45	2412	59	2566						
42	16-22	38	2034	37	2127	55	2575	65	2926	50	2770	65	2997	54	2678	48	2460	49	2615						
43	23-29	37	2071	32	2159	52	2627	60	2986	46	2816	74	3071	53	2731	46	2506	50	2665						
44	Oct. 30-Nov. 5	10	2081	10	2169	16	2643	28	3014	25	2841	31	3102	22	2753	16	2522	25	2690						
45	Nov. 6-12	0	2081	0	2169	7	2650	15	3029	13	2854	22	3124	11	2764	4	2526	11	2701						
46	13-19	0	2081	0	2169	3	2653	9	3038	7	2861	10	3134	6	2770	2	2528	7	2708						
47	20-26	0	2081	0	2169	0	2653	0	3038	0	2861	0	3134	0	2770	0	2528	0	2708						
48	Nov. 27-Dec. 3	0	2081	0	2169	0	2653	4	3042	0	2861	7	3141	2	2772	0	2528	0	2708						
49	Dec. 4-10	20	2101	19	2188	22	2675	29	3071	27	2888	39	3180	27	2799	20	2548	24	2732						
50	11-17	20	2121	19	2207	26	2701	43	3114	32	2920	48	3228	34	2833	22	2570	29	2761						
51	18-24	25	2146	30	2237	30	2731	30	3144	30	2950	32	3260	30	2863	25	2595	27	2788						
52	Dec. 25-31	3	2149	1	2238	3	2734	3	3147	5	2955	6	3266	4	2867	7	2602	8	2796						

TABLE IV.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT BELOW 42° F. IN EACH DISTRICT DURING THE YEAR 1910.

1910.		Eastern Districts.											Western Districts.											MEANS FOR DISTRICTS 1-10 COMBINED.							
WEEKS.	0. SCOTLAND N.	1. SCOTLAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.E.	MEANS FOR EASTERN DISTRICTS.	6. SCOTLAND, W.	7. ENGLAND, N.W. AND NORTH WALES.	8. SOUTH WALES AND ENGLAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	MEANS FOR WESTERN DISTRICTS.	11. ENGLISH CHANNEL.																	
No. of Week.	Limiting Dates of each Week.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	
DAY-DEGREES BELOW 42° FAHRENHEIT—1910.																															
1	Jan. 2-8	6	11	9	9	18	18	20	20	7	7	13	13	0	0	6	6	5	5	0	0	0	0	2	2	0	0	8	8		
2	9-15	38	44	39	50	39	14	32	17	37	9	16	22	35	28	13	19	8	13	27	27	10	10	17	19	0	0	19	27		
3	16-22	55	99	55	105	35	74	26	58	32	69	23	39	34	69	37	65	27	46	21	34	31	58	24	34	28	47	0	0	31	58
4	23-29	120	219	125	230	91	165	67	125	76	145	53	92	82	151	95	160	75	121	46	80	58	116	48	82	64	111	23	23	73	131
5	Jan. 30-Feb. 5	35	254	38	268	38	203	41	166	38	183	35	127	38	189	31	191	29	150	25	105	34	150	35	117	31	142	9	32	35	166
6	Feb. 6-12	39	293	39	307	27	230	25	191	28	211	15	142	27	216	30	221	14	164	7	112	13	163	7	124	14	156	0	32	20	186
7	13-19	31	324	33	340	15	245	13	204	14	225	11	153	17	233	23	244	11	175	8	120	26	189	15	139	17	173	0	32	17	203
8	20-26	35	359	37	377	29	274	14	218	29	254	9	162	24	257	30	274	28	203	12	132	32	221	29	168	26	199	0	32	25	228
9	Feb. 27-Mar. 5	28	387	32	409	27	301	31	249	35	289	16	178	28	285	17	291	16	219	11	143	12	233	4	172	12	211	1	33	20	248
10	Mar. 6-12	21	408	22	431	10	311	5	254	11	300	0	178	10	295	11	302	5	224	4	147	10	243	9	181	8	219	0	33	9	257
11	13-19	34	442	37	468	30	341	37	291	38	338	33	211	35	330	27	329	25	249	29	176	25	268	16	197	25	244	6	39	13	287
12	20-26	11	453	13	481	13	354	22	313	19	357	19	230	17	347	8	337	11	260	13	189	9	277	4	201	9	253	2	41	15	300
13	27-Apr. 2	14	467	25	506	24	378	33	346	43	400	23	253	30	377	22	359	24	284	20	209	16	293	17	218	20	273	2	43	25	325
14	April 3-9	26	493	28	532	25	403	17	363	31	431	19	272	24	401	18	377	23	307	15	224	15	308	13	231	17	290	11	54	20	345
15	10-16	25	518	23	555	7	410	0	363	6	437	0	272	7	408	10	387	4	311	4	228	14	322	15	246	10	300	0	54	8	353
16	17-23	29	547	28	583	9	419	4	367	1	438	0	272	9	417	10	397	3	314	0	228	3	325	0	246	3	303	0	54	6	359
17	24-30	25	572	21	604	16	435	12	379	16	454	11	283	15	432	15	412	11	325	8	236	13	338	8	254	11	314	0	54	13	372
18	May 1-7	11	583	13	617	10	445	7	386	7	461	3	286	8	440	9	421	5	330	0	236	8	346	3	257	5	319	0	54	7	379
19	8-14	12	595	17	634	9	454	7	393	13	474	8	294	11	451	11	432	8	338	6	242	5	351	1	258	6	325	0	54	9	388
20	9-21	0	595	0	634	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
21	22-28	0	595	0	634	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
22	May 29-June 4	0	595	2	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
23	June 5-11	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
24	12-18	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
25	19-25	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
26	26-July 2	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
27	July 3-9	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
28	10-16	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
29	17-23	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
30	24-30	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
31	July 31-Aug. 6	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
32	Aug. 7-13	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
33	14-20	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
34	21-27	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
35	Aug. 28-Sept. 3	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
36	Sept. 4-10	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0	338	0	242	0	351	0	258	0	325	0	54	0	388
37	11-17	0	595	0	636	0	454	0	393	0	474	0	294	0	451	0	432	0													

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE
IN EACH DISTRICT REGISTERED DURING THE YEAR 1910.

1910.		Eastern Districts.											Western Districts.											MEANS FOR DISTRICTS 1-10 COMBINED.							
WEEKS.	0. SCOTLAND, N.	1. SCOTLAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.E.	MEANS FOR EASTERN DISTRICTS.	6. SCOTLAND, W.	7. ENGLAND, N.W. AND NORTH WALES.	8. SOUTH WALES AND ENGLAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	MEANS FOR WESTERN DISTRICTS.	11. ENGLISH CHANNEL.																	
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.	For the Week.	From Jan. 2, 1910.		
NUMBERS OF HOURS OF BRIGHT SUNSHINE—1910.																															
1	Jan. 2-8	6	6	10	10	4	4	4	4	3	3	2	2	5	5	2	2	4	4	3	3	5	5	8	8	5	5	0	0	5	5
2	9-15	2	8	9	19	14	18	21	25	15	18	18	20	15	20	6	8	8	12	11	14	5	10	9	17	8	13	13	13	11	16
3	16-22	14	22	21	40	26	44	19	44	20	38	16	36	20	40	18	26	19	31	13	27	18	28	21	38	18	31	12	25	19	35
4	23-29	16	38	11	51	12	56	20	64	18	56	21	57	17	57	15	41	17	48	16	43	16	44	13	51	15	46	21	46	16	51
5	Jan. 30-Feb. 5	11	49	11	62	13	69	16	80	16	72	21	78	15	72	12	53	15	63	20	63	11	55	14	65	14	60	26	72	14	65
6	Feb. 6-12	6	55	17	79	18	87	22	102	16	88	21	99	19	91	12	65	17	80	20	83	18	73	23	88	18	78	23	95	19	84
7	13-19	18	73	27	106	27	114	22	124	27	115	20	119	25	116	21	86	23	103	22	105	20	93	18	106	21	99	26	121	23	107
8	20-26	22	95	24	130	17	131	19	143	19	134	18	137	19	135	19	105	20	123	26	131	24	117	30	136	24	123	27	148	22	129
9	Feb. 27-Mar. 5	26	121	23	153	26	157	43	186	35	169	48	185	35	170	25	130	34	157	35	166	17	134	13	149	25	148	40	188	30	159
10	Mar. 6-12	24	145	21	174	20	177	18	204	23	192	14	199	19	189	22	152	20	177	27	193	18	152	29	178	23	171	24	212	21	180
11	13-19	19	164	24	198	33	210	44	248	36	228	46	245	37	226	24	176	30	207	37	230	16	168	23	201	26	197	42	254	31	211
12	20-26	21	185	32	230	30	240	32	280	29	257	37	282	32	258	21	197	26	233	35	265	12	180	15	216	21	218	45	299	27	238
13	27-Apr. 2	32	217	46	276	53	293	42	322	49	306	52	334	48	306	37	234	56	289	56	321	32	212	36	252	44	262	63	362	46	284
14	April 3-9	36	253	27	303	16	309	23	345	13	319	27	361	21	327	32	266	21	310	26	347	44	256	36	288	32	294	45	407	26	310
15	10-16	16	269	17	320	26	335	37	382	25	344	26	387	26	353	29	286	27	337	31	378	24	280	29	317	26	320	37	444	26	336
16	17-23	26	295	34	354	20	355	19	401	19	363	17	404	22	375	28	314	19	356	17	395	26	306	20	337	22	342	25	469	22	358
17	24-30	38	333	43	397	40	395	48	449	46	409	54	458	46	421	46	360	42	398	52	447	43	349	47	384	46	388	62	531	46	404
18	May 1-7	37	370	41	438	43	438	45	494	46	455	44	502	44	465	44	404	42	440	49	496	39	388	44	428	43	431	43	574	44	448
19	8-14	50	420	48	486	64	502	65	559	52	507	49	551	56	521	58	462	64	504	50	546	44	432	32	460	50	481	46	620	53	501
20	9-21	40	460	24	510	19	521	44	603	27	534	51	602	33	554	36	498	39	543	49	595	35	467	47	507	41	522	49	669	37	538
21	22-28	34	494	42	552	43	564	53	656	51	585	62	664	50	604	46	544	59	602	67	662	46	513	58	565	55	577	62	731	53	591
22	May 29-June 4	46	540	44	596	35	599	43	699	39	624	39	703	40	644	30	574	26	628	33	695	26	539	30	595	29	606	40	771	35	626
23	June 5-11	60	600	68	664	41	640	39	738	25	649	26	729	40	684	61	635	45	673	15	710	40	579	33	628	39	645	17	788	39	665
24	12-18	49	649	56	720	54	694	53	791	51	700	52	781	53	737	60	695	59	732	71	781	46	625	48	676	57	702	72	860	55	720
25	19-25	29	678	23	743	39	733	52	843	48	748	58	839	44	781	41	736	52	784	48	829	30	655	29	705	40	742	58	918	42	762
26	26-July 2	14	692	23	766	36	769	39	882	33	781	45	884	35	816	29	765	26	810	40	869	20	675	39	744	31	773	55	973	33	795
27	July 3-9	29	721	42	808	23	792	17	899	26	807	26	910	27	843	62	827	44	854	42	911	47	722	45	789	48	821	42	1015	38	833
28	10-16	50	771	51	859	32	824	29	928	49	856	34	944	39	882	72	899	81	935	49	960	88	808	70	859	72	893	37	1052	56	889
29	17-23	21	792	17	876	26	850	20	948	27	883	20	964	22	904	41	940	37	972	29	989	36	844	40	899	37	930	26	1078	29	918
30	24-30	12	804	11	887	23	873	30	978	29	912	33	997	25	929	18	958	23	995	31	1020	29	873	31	930	26	956	48	1126	26	944
31	July 31-Aug. 6	31	835	27	914	45	918	55	1033	40	952	43	1040	42	971	27	985	37	1032	36	1056	36	909	31	961	33	989	50	1176	38	982
32	Aug. 7-13	34	869	39	953	37	955	25	1058	27	979	34	1074	32	1003	32	1017	35	1067	30	1086	31	940	28	989	31	1020	42	1218	31	1013
33	14-20	20	889	34	987	39	994	48	1106	43	1022	48	1122	42	1045	25	1042	35	1102	53	1139	23	963	33	1022	34	1054	53	1271	38	1051
34	21-27	23	912	16	1003	24	1018	35	1141	22	1044	34	1156	26	1071	14	1056	18	1120	32	1171	12	975	23	1045	20	1074	45	1316	23	1074
35	Aug. 28-Sept. 3	22	934	25	1028	35	1053	37	1178	29	1073	35	1191	32	1103	21	1077	23	1142	27	1198	20	995	24	1069	23	1097	33	1349	27	1101
36	Sept. 4-10	28	962	31	1059	14	1067	17	1195	20	1093	30	1221	22	1125	37	1114	36	1178	48	1246	35	1030	28	1097	37	1134	51	1400	29	1130
37	11-17	35	997	30	1089	23	1090	21	1216	13	1106	28	1249	23	1148	44	1158	32	1210	30	1276	31	1061	29	1126	33	1167	30	1430	28	1158
38	18-24	18	1015	31	1120	34	1124	39	1255	33</																					

TABLE VI.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF BRIGHT SUNSHINE IN EACH DISTRICT EXPRESSED AS PERCENTAGES OF THE POSSIBLE DURATION FOR THE YEAR 1910.

1910.		Eastern Districts.											Western Districts.											MEANS FOR DISTRICTS 1-10 COMBINED							
WEEKS.		0. SCOTLAND, N.	1. SCOTLAND, E.	2. ENGLAND, N.E.	3. ENGLAND, E.	4. MIDLAND COUNTIES.	5. ENGLAND, S.E.	MEANS FOR EASTERN DISTRICTS.		6. SCOTLAND, W.	7. ENGLAND, N.W. AND NORTH WALES.	8. SOUTH WALES AND ENGLAND, S.W.	9. IRELAND, N.	10. IRELAND, S.	MEANS FOR WESTERN DISTRICTS.		11. ENGLISH CHANNEL.														
No. of Week.	Limiting Dates of each week.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.	For the Week. From Jan. 2, 1910.														
PERCENTAGES OF POSSIBLE DURATION OF BRIGHT SUNSHINE—1910.																															
1	Jan. 2-8	13	13	21	21	7	7	8	8	6	4	4	10	10	4	4	8	8	6	6	10	10	15	15	10	10					
2	9-15	5	9	18	20	28	18	39	23	27	17	31	18	28	19	11	8	15	11	19	13	9	10	16	15	12	22	11	21	15	
3	16-22	28	16	42	27	48	28	35	27	35	23	27	21	36	25	33	17	35	20	23	16	33	18	37	23	33	19	21	14	35	22
4	23-29	30	20	20	25	22	26	33	29	30	25	36	25	30	26	26	20	30	22	27	19	28	21	22	23	26	21	35	20	28	24
5	Jan. 30-Feb. 5	20	20	19	24	22	25	26	28	27	26	34	27	25	26	20	20	25	23	32	22	19	20	23	23	23	22	41	24	23	23
6	Feb. 6-12	10	18	29	25	28	26	35	29	24	25	33	28	30	27	19	20	26	24	31	23	29	22	36	25	29	23	34	26	30	25
7	13-19	28	20	42	28	41	28	33	30	40	28	30	28	37	29	31	22	35	25	32	25	31	23	27	26	31	24	38	28	34	26
8	20-26	32	22	36	29	25	28	27	30	27	28	25	28	27	28	27	23	29	26	37	27	35	25	42	28	34	26	38	29	31	27
9	Feb. 27-Mar. 5	36	24	32	29	36	29	59	33	48	30	65	33	48	31	34	24	46	29	47	29	24	25	18	27	34	27	53	32	41	29
10	Mar. 6-12	31	25	27	29	26	28	23	32	30	30	18	31	25	30	28	25	26	28	35	30	24	24	37	28	30	27	30	32	27	29
11	13-19	24	25	30	29	41	30	54	35	45	32	56	34	46	32	30	25	37	29	46	32	20	24	29	28	32	28	52	34	38	30
12	20-26	24	25	38	30	35	31	39	35	35	32	44	35	38	33	26	25	31	30	42	33	14	23	18	27	25	28	54	36	32	30
13	27-Apr. 2	36	26	53	32	60	33	48	36	55	34	60	37	55	35	42	27	64	33	64	36	37	24	41	28	50	30	72	40	52	32
14	April 3-9	39	27	29	32	18	32	26	35	14	33	30	37	23	34	35	28	23	32	29	35	49	27	39	29	35	30	50	41	29	32
15	10-16	17	26	17	31	28	32	40	35	27	32	27	36	27	33	21	27	29	32	33	35	25	26	31	29	28	30	40	41	27	32
16	17-23	26	26	34	31	20	31	19	34	20	31	17	34	22	33	29	27	20	31	18	34	26	21	29	22	29	20	26	39	22	31
17	24-30	36	27	42	32	39	31	48	35	46	32	54	36	46	33	45	29	42	32	52	35	42	28	46	30	46	31	62	41	46	32
18	May 1-7	34	28	38	32	41	32	44	36	44	33	42	36	42	34	42	30	40	32	48	36	37	28	42	31	41	31	42	41	42	33
19	8-14	45	29	44	33	60	34	61	38	49	34	47	37	52	35	54	31	60	34	48	37	41	29	30	31	47	32	45	42	50	34
20	15-21	35	29	21	33	17	33	41	38	25	34	47	38	30	34	33	32	35	34	45	37	32	29	44	32	37	33	46	42	34	34
21	22-28	29	29	36	33	38	33	48	39	45	34	56	39	44	35	41	32	52	35	61	39	40	30	52	33	49	34	57	43	47	35
22	May 29-June 4	38	30	37	33	31	33	38	39	34	34	35	39	35	35	26	32	23	35	30	38	23	30	26	33	25	34	36	42	31	35
23	June 5-11	49	31	56	34	35	33	34	38	21	34	23	38	34	35	51	33	39	35	13	37	34	30	29	33	34	34	15	41	34	35
24	12-18	40	32	46	35	46	34	46	39	44	34	46	38	46	36	51	34	50	36	62	38	39	31	42	33	49	34	64	42	47	35
25	19-25	23	31	19	34	33	34	44	39	41	35	51	39	38	36	34	44	36	42	38	25	30	25	33	34	34	34	51	43	36	35
26	26-July 2	12	30	19	33	31	34	33	39	29	34	39	39	30	36	25	33	22	36	35	38	17	30	33	33	26	34	49	43	28	35
27	July 3-9	23	30	35	33	20	33	15	38	23	34	23	38	23	35	52	34	38	36	37	38	40	30	39	33	41	34	37	42	41	35
28	10-16	41	30	43	34	28	33	25	37	43	34	30	38	34	35	61	36	69	37	43	38	74	32	61	34	63	35	34	42	49	36
29	17-23	17	30	14	33	23	32	18	36	25	34	18	37	19	34	35	36	32	37	26	38	32	32	36	34	33	35	24	42	26	35
30	24-30	11	29	10	32	21	32	27	36	26	33	30	37	23	34	16	35	21	36	28	38	26	32	28	34	23	35	45	42	23	35
31	July 31-Aug. 6	27	29	25	32	42	32	51	36	37	34	40	37	39	34	25	34	34	36	34	38	33	32	29	34	30	35	47	42	35	35
32	Aug. 7-13	31	29	36	32	34	32	24	36	26	33	33	37	30	34	30	34	33	36	29	37	29	32	27	34	29	35	41	42	29	35
33	14-20	19	29	32	32	38	33	47	37	42	33	47	37	41	34	23	34	34	36	52	38	23	32	32	34	33	34	53	42	37	35
34	21-27	23	28	15	31	24	32	35	36	22	33	35	37	26	34	14	33	18	35	32	37	12	31	23	33	20	34	46	42	23	34
35	Aug. 28-Sept. 3	22	28	25	31	36	32	38	37	30	33	37	37	33	34	22	33	23	35	28	37	20	31	25	33	24	34	35	42	29	34
36	Sept. 4-10	29	28	33	31	15	32	18	36	22	33	32	37	24	34	40	33	39	35	52	38	37	31	30	33	40	34	56	42	32	34
37	11-17	38	29	33	31	25	32	24	36	14	32	31	37	26	34	49	34	36	35	34	37	35	31	32	33	37	34	34	42	31	34
38	18-24	21	28	36	31	40	32	45	36	39	33	57	37	43	34	34	34	34	35	50	38	23	31	35	33	35	34	54	43	40	34
39	25-Oct. 1	22	28	22	31	43	32	43	36	37	33	41	37	37	34	20	33	34	35	31	38	22	30	25	33	27</					

WEEKLY WEATHER REPORT, 1910.

Page 96A

SPECIAL SUPPLEMENT TO REPORT No. 11, FOR THE WEEK ENDED MARCH 19TH, 1910.

[Price 4d.]

Results of the Hourly Ascents of Registering Balloons. Manchester, Lat. 53° 27' N., Long. 2° 14' W., March 18th and 19th, 1910.

Height.	1.		2.		3.		4.		5.		6.		7.		8.		9.		Height.
	March 18th, 7.10 p.m.		March 18th, 10.2 p.m.		March 18th, 11.0 p.m.		March 18th, 12.0 Midnight.		March 19th, 1.5 a.m.		March 19th, 2.2 a.m.		March 19th, 3.2 a.m.		March 19th, 4.35 a.m.		March 19th, 5.15 a.m.		
km.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	km.
Ground	1'012	277'5	1'012	278'3	1'012	278	1'014	278	1'013	277	1'013	277'2	1'013	277	1'013	276'8	1'014	277	Ground.
0'5	'958	269'5	'962	—	—	—	'954	271	'967	273	—	—	'960	270'5	—	—	'955	—	0'5
1'0	'885	266'5	—	—	—	—	'903	268	'907	269	'888	—	'900	267	—	—	'900	267	1'0
1'5	'833	263'5	—	—	'845	266	'843	264'5	'847	265	'894	266	'846	264	—	—	'847	264'5	1'5
2'0	'783	260'5	—	—	'789	262'5	'782	262'5	'795	263	'780	264	'795	263	—	—	'794	263	2'0
2'5	'734	256'5	'747	259°	'745	259'5	'732	259'5	'747	259'5	'734	262	'746	260	—	—	'747	259'5	2'5
3'0	'687	253	'700	255°	'695	257'5	'681	255'5	'700	256	'687	258'5	'700	259'5	—	—	'700	259	3'0
3'5	'639	247'5	'655	252'5°	'653	254	'640	252	'653	254	'646	256	'658	256'5	—	257	'652	257'5	3'5
4'0	'592	245	'610	248°	'607	251	'598	251'5	'611	251'5	'600	253	'614	254'5	'615	256	'611	256'5	4'0
4'5	'553	244'5	'572	245'5°	'565	248'5	'564	250	'572	249'5	'567	251'5	'574	252	'578	255	'575	254	4'5
5'0	'518	240	'534	244°	'532	245'5	'530	247'5	'535	247'5	'522	249'5	'537	249'5	'535	252	'537	252	5'0
5'5	'485	236	'498	241'5°	'492	244	'496	246	'498	245	'491	247	'505	246	'498	249'5	'505	249	5'5
6'0	'451	233'5	'465	240°	'457	241'5	'464	243	'480	242	'457	245	'471	244	'465	246'5	'470	246'5	6'0
6'5	'418	231'5	'432	236	'424	235'5	'431	238	'430	239	'425	242	'438	241	'433	243	'438	243'5	6'5
7'0	'393	227	'403	234'5	'395	231'5	'403	235	'400	235'5	'399	239'5	'407	238'5	'405	239'5	'408	238'5	7'0
7'5	'366	224	'370	228	'366	227'5	'372	231	'370	232	'370	236'5	'382	235	'376	236'5	'378	235'5	7'5
8'0	'338	221	'347	225'5	'340	225	'348	228'5	'344	229	'346	232	'352	232	'345	232'5	'352	232'5	8'0
8'5	'313	218'5	'325	224	'313	223'5	'325	226'5	'318	226'5	'324	229	'333	229	'323	228	'327	229'5	8'5
9'0	—	—	'300	220'5	'297	223	'301	224	'293	224	'300	224'5	'306	225	'305	224'5	'307	224'5	9'0
9'5	—	—	'280	219'5	'270	221	'280	219	'273	220	'280	222	'286	222	'279	221'5	'284	220	9'5
10	—	—	'261	220	'250	220	'260	216'5	'252	219	'260	219	'265	219	'258	219	'260	215'5	10
11	—	—	'220	222	'215	224	'222	216'5	'220	217'5	'220	216	'226	216'5	'220	215	'225	214	11
12	—	—	—	—	'188	223	'194	219	'188	217'5	'194	214	'194	220	'190	214	'193	218'5	12
13	—	—	—	—	'161	221'5	'165	219	'160	219'5	'165	216'5	'167	221	'167	214'5	—	—	13
14	—	—	—	—	'138	221'5	'150	220'5	'140	219'5	'142	217'5	—	—	—	—	—	—	14
15	—	—	—	—	'120	222	—	—	—	—	'120	218'5	—	—	—	—	—	—	15
16	—	—	—	—	—	—	—	—	—	—	'105	219	—	—	—	—	—	—	16
17	—	—	—	—	—	—	—	—	—	—	'088	219'5	—	—	—	—	—	—	17
18	—	—	—	—	—	—	—	—	—	—	'078	219'5	—	—	—	—	—	—	18
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20
At Min. Pressure	'293	220'5°	'207	223°	'105	220°	'130	221°	'140	219'5	'078	219'5	'145	222	'150	215'5	'193	218'5	At Min. Pressure.
Max. Height (km.)	8'8	—	11'4	—	15'8	—	14'7	—	14'0	—	18'2	—	13'6	—	19'6	—	12'1	—	Max. Height (km.).
Min. Temp.	218'5°	—	219'5°	—	220° at 10 and 15'8 km.	—	216'5° at 10 and 11 km.	—	217'5° at 11 and 12 km.	—	214° at 12 km.	—	216'5° at 11 km.	—	214° at 12 km.	—	214° at 11 km.	—	Min. Temp.
Place of fall	Moccas, nr. Hereford.	—	Llanvegnno, nr. Abergavenny.	—	Llandarne, nr. Cardiff.	—	Llandaff, nr. Cardiff.	—	Ely, nr. Cardiff.	—	Holcombe, Devon.	—	Henly, Monmouth.	—	Nr. Kimolton, Leominster.	—	Bryngwyn, nr. Raglan.	—	Place of fall.
Distance (km.)	161	—	177	—	230	—	228	—	228	—	281	—	206	—	187	—	196	—	Distance (km.).
Direction	195°	—	197°	—	196°	—	197°	—	197°	—	198°	—	195°	—	192°	—	193°	—	Direction.
Gradient °C. per 100 m. ground to ..	0'67	—	0'63	—	0'66	—	0'54	—	0'59	—	0'51	—	0'53	—	0'53	—	0'55	—	Gradient °C. per 100 m.
	7 km.	—	7 km.	—	7 km.	—	7 km.	—	7 km.	—	7 km.	—	7 km.	—	7 km.	—	7 km.	—	

NOTES.

* Ascents Nos. 2, 11. Trace blurred.

(17967—24.) Wt. 97—423. 450. 12/10. D & S.

Height.	10.		11.		12.		13.		14.		15.		16.		17.		18.		19.		Height.
km.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	km.
Ground	1'015	276'6	1'015	276'7	1'015	276'8	1'015	277'5	—	278'5	1'015	279'2	1'015	279	1'015	279'1	1'016	278'9	1'016	279'1	Ground.
0'5	'980	—	—	—	'958	270	'982	266'5	—	—	'947	—	'959	273	'953	—	'967	272	'965	—	0'5
1'0	'900	—	—	—	'902	266'5	'902	265'5	—	—	'895	—	'902	269	'900	270	'907	271'5	'908	271	1'0
1'5	'840	268'5	—	—	'849	263'5	'845	264'5	—	—	'840	—	'842	268	'845	268'5	'853	267	'853	267'5	1'5
2'0	'791	266	—	—	'800	261	'794	265	—	—	'788	—	'792	266'5	'792	268	'799	266'5	'802	268	2'0
2'5	'747	264	—	—	'747	261	'747	263'5	'747	—	'743	—	'740	265	'741	266	'752	267'5	'754	269	2'5
3'0	'700	261	—	—	'700	258	'702	261'5	'700	—	'694	—	'693	265	'695	265'5	'705	265	'702	266'5	3'0
3'5	'653	259'5	—	—	'653	255'5	'655	259	'653	261'5	'653	—	'647	262	'652	264	'680	263	'659	262'5	3'5
4'0	'612	256'5	—	—	'612	254'5	'613	257	'611	260	'611	260'5	'610	259	'610	260'5	'618	260	'612	259	4'0
4'5	'571	253'5	—	—	'573	252	'570	255'5	'571	257'5	'570	257	'570	255	'571	257'5	'577	255	'575	254'5	4'5
5'0	'532	249	—	—	'533	249	'533	253	'535	253'5	'535	254'5	'534	252	'534	252	'543	251'5	'536	251'5	5'0
5'5	'498	247'5	—	—	'505	245'5	'500	250'5	'505	248'5	'503	251'5	'498	248	'498	249'5	'510	248	'505	249'5	5'5
6'0	'465	246'5	—	—	'465	241'5	'470	247	'472	246'5	'472	248	'465	244'5	'468	246	'475	245'5	'471	247	6'0
6'5	'432	243	—	—	'438	239	'432	245	'438	244'5	'440	242'5	'435	240	'434	243	'442	243	'438	243'5	6'5
7'0	'405	239'5	—	—	'408	236'5	'407	242	'412	239'5	'412	237'5	'405	236	'409	239'5	'412	241	'405	239	7'0
7'5	'379	234	—	—	'379	232'5	'380	239	'383	234'5	'386	234'5	'379	232	'380	236	'385	237'5	'379	234	7'5
8'0	'354	230'5	'352	235'5	'353	228'5	'356	236	'357	230	'360	231'5	'353	229	'353	232	'360	235	'352	230	8'0
8'5	'330	227	'326	233	'330	225'5	'335	233	'333	226'5	'336	229	'327	225	'327	229	'333	231'5	'328	225'5	8'5
9'0	'306	222'5	'305	230'5	'305	224	'312	229'5	'309	223	'313	226	'302	220	'305	225'5	'306	228	'301	221	9'0
9'5	'282	219'5	'280	228'5	'284	222	'288	226'5	'287	221	'290	222'5	'280	215'5	'280	223	'287	225'5	'280	217	9'5
10	'265	217	'260	226'5	—	—	'263	224	'267	217	'269	219'5	'260	214	'261	220'5	'266	221'5	'260	214	10
11	'230	218	'225	224	—	—	'230	219'5	'227	215	'233	215'5	'225	213	'227	219'5	'230	215'5	'230	209'5	11
12	'193	220'5	'192	223'5	—	—	'198	220	'198	219'5	'198	220	'193	216	'193	218	'198	211	'192	212	12
13	'167	222	'163	225	—	—	'170	225'5	'169	222	'168	222'5	'166	217'5	'167	220'5	'170	211'5	'166	215'5	13
14	'142	223	'140	226'5	—	—	'147	227	'145	223	'147	222	'140	218'5	'143	221'5	'143	214'5	'140	217	14
15	'125	223'5	'120	226'5	—	—	'127	227'5	'125	224	'125	221'5	'121	220'5	'122	222'5	'121	217	'120	218	15
16	'110	223'5	'105	226	—	—	'110	226	'110	224'5	'107	223	'103	221'5	'107	222	'105	217'5	'102	—	16
17	—	—	'090	225'5	—	—	'097	225'5	'094	226	'095	224	'088	221	'090	222	'093	218	'087	—	17
18	—	—	'075	225	—	—	—	—	'080	228	'080	225	'074	220	'079	222'5	'080	218	'074	—	18
19	—	—	'068	225	—	—	—	—	'065	230	'067	225'5	'065	218	'067	224	—	—	'065	—	19
20	—	—	—	—	—	—	—	—	—	—	'055	226	—	—	—	—	—	—	—	—	20
At Min. Pressure.	'110	223'5	'068	225	'284	222	'090	225	'065	230	'055	226	'065	218	'067	224	'080	218	'065	—	At Min. Pressure.
Max. Height (km.).	16'0	—	19'0	—	9'4	—	17'5	—	19'0	—	20'0	—	19'1	—	18'9	—	18'0	—	19'1	—	Max. Height (km.).
Min. Temp...	217° at 10 km.	—	223°'5 at 12 km.	—	222° at 9'5 km.	—	219°'5 at 11 km.	—	215° at 11 km.	—	215°'5 at 11 km.	—	213° at 11 km.	—	218° at 12 km.	—	211° at 12 km.	—	209°'5 at 11 km.	—	Min. Temp.
Place of fall	Newbolds, Rockfield, Monmouth.	—	Larrington, nr. Hereford.	—	Fownhope, nr. Hereford.	—	Rock, near Bewdley, Worcester.	—	Dean Forest, Gloucester.	—	Suckley, nr. Worcester.	—	Lydney, Gloucester.	—	Lydney, Gloucester.	—	Preston, Ledbury, Hereford.	—	Pauntley, Gloucester.	—	Place of fall.
Distance .. (km.).	182	—	148	—	164	—	120	—	193	—	148	—	193	—	193	—	161	—	170	—	Distance (km.).
Direction ..	190°	—	187°	—	188°	—	180°	—	185°	—	183°	—	185°	—	185°	—	182°	—	184°	—	Direction.
Gradient °C. per 100 m. ground to ..	0'53	—	—	—	0'53	—	0'44	—	0'50	—	0'63	—	0'55	—	0'55	—	0'59	—	0'54	—	Gradient °C. per 100 m.
to ..	7 km.	—	—	—	7 km.	—	7 km.	—	7 km.	—	7 km.	—	7 km.	—	7 km.	—	7 km.	—	7 km.	—	to ..

† Two instruments on one balloon.

A. Ascent No. 18. Enclosed in usual thin aluminium cylinder.

B. Ascent No. 17. Enclosed in double case consisting of two co-axial aluminium cylinders.

* Ascent No. 19. Trace blurred.

The results given above are stated in absolute or metric units. The units adopted for each element are as follows:—
ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). The direction of the place of fall with reference to the place of ascent is also given in angular measures. **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (mgd.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°; Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also the "Observer's Handbook," Ed. 1909, pp. 139-143.

Meteorological Office,
November, 1910.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1910.

Page 264A

SPECIAL SUPPLEMENT TO REPORT No. 32, FOR THE WEEK ENDED AUGUST 13TH, 1910.

Ascents of Registering Balloons made in Connexion with the Ascents organised by the International Commission for Scientific Aeronautics. August 8th to 13th, 1910.

Height.	1. CRINAN. 56° 5' N., 5° 31' W. Aug. 8th, 7.0 a.m.		2. PYRTON HILL. 51° 38' N., 1° 1' W. Aug. 8th, 7.7 a.m.			3. PYRTON HILL. 51° 38' N., 1° 1' W. Aug. 8th, 7.55 p.m.		4. MANCHESTER. 53° 27' N., 2° 14' W. Aug. 8th, 7.50 p.m.			5. CRINAN. 56° 5' N., 5° 31' W. Aug. 8th, 8.6 p.m.		6. OUGHTERARD. 53° 25' N., 9° 20' W. Aug. 8th, 8.10 p.m.		7. PYRTON HILL. 51° 38' N., 1° 1' W. Aug. 9th, 6.53 a.m.			8. DITCHAM PARK, PETERSFIELD. 51° 0' N., 0° 57' W. Aug. 9th, 7 a.m.		Height.
km.	mgd.	°A.	mgd.	°A.	°A.	mgd.	°A.	mgd.	°A.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	°A.	mgd.	°A.	km.
Ground	1'011	288	'994		288	'992 { 289 } 287		1'008	290'5		1'014	288	1'013	289	'994	288		'993	288'5	Ground
0'5	'955	?	'952		286	'952	286'3	'947	285	282	'956	285	'955	285	'952	285'5		'938	285	0'5
1'0	'898	?	'911	283	285	'897	283	'888	283	280	'897	282	'893	281	'896	283'5		'884	283'5	1'0
1'5	'848	279	'844	282	284	'844	279'5	'834	279'5	277	'847	279	'841	278'5	'844	280		'831	282	1'5
2'0	'796	278	'796	278	282	'795	276'5	'782	279	274'5	'796	276	'794	276	'792	277'5		'782	278	2'0
2'5	'750	275	'750	276	280	'744	273	'734	278	273'5	'748	275	'745	273	'744	273'5		'734	274	2'5
3'0	'704	272	'704		275	'700	272	'693	275'5	273	'702	271'5	'700	270'5	'698	271		'689	271'5	3'0
3'5	'662	268'5	'662	273	271	'657	272	'653	273'5	270'5	'661	268	'658	267	'656	271'5		'649	273	3'5
4'0	'621	266	'624	270	268	'617	268'5	'607	267	264'5	'621	265	'618	264	'617	270		'609	270'5	4'0
4'5	'569	264	'585	265	268	'577	264	'571	264'5	261'5	'582	262	'582	261	'578	267		'573	268	4'5
5'0	'548	261	'551	263	265	'542	259'5	'535	260	257	'548	259	'547	258	'542	263		'537	264	5'0
5'5	'515	258'5	'516	259	261	'510	256	'500	258'5	255	'512	256	—	—	'510	259		'502	260'5	5'5
6'0	'483	255	'483	257	259	'475	253	'465	255'5	252'5	'478	252	—	—	'476	256		'474	256	6'0
6'5	'449	251'5	'451	252	254	'445	249	'437	255	251	'448	248	—	—	'445	251		'443	253	6'5
7'0	'421	247	'422	248	250	'416	245'5	'407	252'5	247	'418	244	—	—	'417	248		'413	249	7'0
7'5	'392	244'5	'396	244	246	'388	241	'380	245'5	242'5	'390	241	—	—	'390	244'5		'384	245	7'5
8'0	'365	241	'369	240	243	'363	237	'357	242	239	'364	238	—	—	'363	240'5		'359	241'5	8'0
8'5	'341	237	'342	236	239	'337	233	'330	239	236	'337	233	—	—	'338	236		'336	239	8'5
9'0	'318	233	'320	232	234	'315	229	'309	236	233	'312	229	—	—	'315	233	231	'312	236	9'0
9'5	'296	229	'297	228	230	'289	226	'287	229'5	226	'291	225	—	—	'292	229	227	'291	232	9'5
10	'275	225	'276	224	226	'270	221	'265	225	222'5	'271	221	—	—	'272	225	222	'271	228	10
11	'236	220	'238		221	'231	217	'225	219	216	'232	215	—	—	'232	218	215	'232	221	11
12	'203	227	'204	223	224	'196	220	'194	220'5	217'5	'199	222	—	—	'199	222		'199	224	12
13	'176	227'5	'176		228	'169	222	'167	224	221'5	'171	222	—	—	'171	226	223	'172	227	13
14	'151	228	'151		226	'142	223	'145		223'5	'146	222	—	—	'148	228	224	'149	227	14
15	'129	228	'128		225	'123	223	'122		221'5	'128	222	—	—	'128	228	225	'128	227	15
16	—	—	'111		224	'105	223	'107		222	'108	222'5	—	—	'108	228	226	'111	227'5	16
17	—	—	—	—	—	'091	222'5	—	—	—	'092	222'5	—	—	'093	228		'097	227'5	17
18	—	—	—	—	—	'078	222	—	—	—	'079	223	—	—	—	—		'083	?	18
19	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	19
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		—	—	20
At Min. Pressure.	—	228	'111		224	'078	222	'100		222'5	'079	223	'547	258	'093	228		'083	?	At Min. Pressure.
Max. Height (km.).	15'6			16'0			18'2		16'4			18'0		5'0		17'3			18'0	Max. Height (km.).
Min. Temp.	218°			221°	at 11'2 km.	215°	at 10'3 km.	213°'5	at 11'6 km.		214'5	at 11'2 km.			215°	at 11'1 km.	219°	at 11'4 km.		Min. Temp.
Place of fall	Loch Avich.			Aylesbury.		Bicester.		Bretherton, nr. Preston, Lancs.			Craignure, Mull.		Clear Is., Co. Mayo.		Bicester.		Winchfield.			Place of fall.
Distance .. (km.).	26			23		29		43			44				29		32			Distance (km.).
Direction ..	22°			33°		340°		290°			350°		?		340°		10°			Direction.
Gradient °C. per 100 m. ground to ..	0'63			0'67		0'67		0'58			0'67		—		0'63		0'58			Gradient °C. per 100 m.
	10 km.			10 km.		10 km.		7 km.			10 km.		—		10 km.		10 km.			

NOTES.

1. Temperature 218° at 11'4 km. and 225 at 11'7 km. Isothermal at 220° from 10'6 to 10'9 km.
2. Small inversions at 1'3, 2'3, and 2'8 km. Clouds from N.N.W.
3. Small inversion at 3'3 km. Lowest temperature 215° at 10'8 km. on one trace and 217° at 11 km. on the other.
4. Isothermal at 11'2 km., 214°'5. Very good trace. Isothermal from 2 to 2'3 km., at 276°
5. Inversion at 3'2 km. Lowest 215 at 11'1 km. on one trace, 217 at 11'3 km. on the other. Thick layer of clouds. Light rain.
6. Fog; balloon went S.W., lost to sight at once. Inversion above 3 km. Temperature 275° at 3'2 km.

Height.	9. CRINAN. 56° 5' N., 5° 31' W. Aug. 9th, 7.0 a.m.		10. PYRTON HILL. 51° 38' N., 1° 1' W. Aug. 10th, 7.0 a.m.		11. CRINAN. 56° 5' N., 5° 31' W. Aug. 10th, 7.0 a.m.		12. MANCHESTER. 53° 27' N., 2° 14' W. Aug. 10th, 7.4 a.m.		13. OUGHTER- ARD. 53° 25' N., 9° 20' W. Aug. 10th, 7.15 a.m.		14. CRINAN. 56° 5' N., 5° 31' W. Aug. 10th, 8.5 p.m.		15. MAN- CHESTER. 53° 27' N., 2° 14' W. Aug. 11th, 7.36 p.m.		16. DITCHAM PARK, PETERSFIELD. 51° 0' N., 0° 57' W. Aug. 12th, 7.0 a.m.		17. CRINAN. 56° 5' N., 5° 31' W. Aug. 12th, 7.0 a.m.		Height.
km.	mgd.	°A.	mgd.	°A.	mgd.	°A.	°A.	mgd.	°A.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	mgd.	°A.	km.
Ground	1'014	288	'999	285'5	1'018	291		1'015	287'6		1'013	289	1'016	293	1'012	288'7	1'000	289'5	Ground.
0'5	'958	287	'956	288	'959	289		'987	287	285	'980	287	'980	289	'960	287'5	'856	288	0'5
1'0	'901	284'5	'901	286	'904	286		'908	283'5	281	'904	285	'904	283'5	'905	281	'901	285'5	1'0
1'5	'849	281	'840	283	'849	282		'855	281	278'5	'853	280	'852	282	'847	277	'849	284'5	1'5
2'0	'800	276'5	'800	280	'803	278		'807	277'5	276	'803	279	'803	279	'795	276'5	'800	283	2'0
2'5	'751	277	'754	276	'756	273'5		'780	276	273'5	'755	277	'755	275'5	'747	275'5	'755	280'5	2'5
3'0	'707	273	'708	273	'710	273		'720	275	273'5	'710	275	'711	272	'695	271'5	'711	278	3'0
3'5	'664	270	'667	272	'668	272		'675	271'5	270	'665	274	'665	274	'653	268'5	'667	275	3'5
4'0	'622	267	'627	270'5	'630	270		'633	267'5	266	'627	270	'627	270	'614	266	'627	273'5	4'0
4'5	'585	265	'590	266'5	'590	266		'592	265	264	'588	268	'588	266	'575	264	'591	271	4'5
5'0	'551	262	'552	264	'552	262'5		'555	263	260'5	'551	264	'552	265	'535	260'5	'556	268	5'0
5'5	'516	260	'518	262	'518	259		'525	261	259	'516	260'5	'518	262	'498	258	'519	265	5'5
6'0	'484	257	'485	259	'484	256		'492	259	257	'483	258	'485	258'5	'471	254	'501	261'5	6'0
6'5	'452	253'5	'454	255	'452	253		'460	255	253	'453	255	'454	255	'452	251	'457	258	6'5
7'0	'426	250	'424	251	'422	250		'431	251'5	249	'422	251	'424	252	'412	249	'428	254	7'0
7'5	'396	246	'396	248	'396	246		'400	247	246	'395	248	'398	249'5	'382	245	'400	250	7'5
8'0	'369	242	'369	244	'369	241'5		'375	244	242'5	'368	244	'371	246	'355	243	'373	247	8'0
8'5	'342	237	'344	239	'344	237'5		'348	240	238	'344	241	'347	243	'334	239	'350	243	8'5
9'0	'318	234	'321	235	'319	234		'325	235'5		'321	267	'324	238	'310	235	'325	240'5	9'0
9'5	'297	230	'298	230'5	'297	229		'300	232		'298	233	'301	234	'287	230'5	'302	235'5	9'5
10	'276	226	'278	226	'276	226		'282	228		'275	229	—	?	'267	226'5	'281	231	10
11	'236	220	'251	219	'238	219	222	'242	221'5		'235	223	—	?	'230	217'5	'241	224	11
12	'203	223	'204	220	'204	219	223	'205	222'5		'201	220	—	?	'195	213'5	'205	216'5	12
13	'173	226	'177	228	'176	223	227	'178	227		—	?	—	—	'172	213'5	'176	215'5	13
14	'151	227	—	—	'150	222	226	'153	224'5		—	?	—	—	'150	217	'149	214'5	14
15	'128	228	—	—	'128	221	225	'133	225'5		—	—	—	—	'125	217	—	—	15
16	'111	228	—	—	'110	223	226	'114	226'5	225	—	—	—	—	'108	218	—	—	16
17	'096	229	—	—	'094	226	227	'095	227'5	225	—	—	—	—	'093	218'5	—	—	17
18	—	—	—	—	'081	228		'085	227'5	224	—	—	—	—	'079	218'5	—	—	18
19	—	—	—	—	—	—		'073	226	222'5	—	—	—	—	—	—	—	—	19
20	—	—	—	—	—	—		'060	225	221	—	—	—	—	—	—	—	—	20
At Min. Pressure.	—	230	—	—	'081	228		—	—		—	—	—	—	'074	218'5	'149	214'5	At Min. Pressure.
Max. Height (km.).	17'5		13'6		18'0			—			13'5		12		18'6		14'0		Max. Height (km.).
Min. Temp.	218° at 11'5 km.		217° at 11'4 km. Near Chichester.		217° at 11'3 km.			220°'5 at 11'5 km.			219° at 11'8 km. Newport, Tipperary.		—		213'5 at 12 km. Dorington, Lincoln.		214'5 at 14 km. Valenciennes, France.		Min. Temp.
Place of fall	In Sea.		Near Chichester.		Near Ardrishaig.			Audlem, nr. Nantwich, Cheshire.			—		Otter Ferry, Argyll.		—		—		Place of fall.
Distance .. (km.).	? About 115.		88		12			63			110		10		130		320		Distance (km.).
Direction ..	? 250°		170°		160°			195°			135°		110°		111°		100°		Direction.
Gradient °C. per 100 m. ground to ..	0'62		0'60		0'65			0'56			0'60		0'63		0'58		0'58		Gradient °C. per 100 m.
	10 km.		10 km.		10 km.			7 km.			10 km.		9'5 km.		7 km.		10 km.		

9. Balloon fell in sea. Picked up nine days later at high water mark on the coast of Skye. Light S.E. wind. Overcast.

10. The balloon did not burst.

11. Isothermal at 11'3 km. 217° on one trace, 221° on the other.

12. Max. height 13'5, but the balloon did not burst, and the temperatures above 12 km. are influenced by radiation.

13. Inversion at 3'0.

14. Balloon lost at once in fog. Record lost except at the top. Temperature.

15. Very good traces, crossing frequently, but always close together. Isothermal from 1'2 to 1'8 km.

16. Balloon lost at once in fog. Record lost except at the top. Temperature.

The results given above are stated in absolute or metric units. The units adopted for each element are as follows:—

ALTITUDE.—Metres (m.) or kilometres (km.). **WIND DIRECTION.**—Angular Measures from North (360°) through East (90°). The direction of the place of fall with reference to the place of ascent is also given in angular measures. **WIND VELOCITY.**—Metres per second (m.p.s.). **PRESSURE.**—Megadynes per Square Centimetre (mgd.). **TEMPERATURE.**—The Absolute scale of Centigrade degrees (Freezing point of water = 273°; Normal boiling point of water = 373°). Values at or below the freezing point of water (273°) are printed in heavy type.

Tables for converting from British units to absolute or metric units are given in the introduction to the Weekly Weather Report for 1909, pp. 6 and 7. See also the "Observer's Handbook," Ed. 1909, pp. 139-143.

Meteorological Office,
November, 1910.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT, 1910.

Thirty-third Year.
VOL. XXVII. [New Series.] }

APPENDIX III.

[Price 4d.]

SUMMARY OF GALES RECORDED AT ANEMOGRAPH STATIONS IN 1910.

TABLE I.—NUMBER OF HOURS in each Month of MEAN Wind Velocity equivalent to Gale Force (39 miles, or more, in an hour; Force 8 and upwards).

Date, 1910.	Ireland, S. and W.		England, S.W.		England N.W., N. Wales, and Ireland, E.		Scotland, N.		Scotland, E.		England, N.E.		England, E.		England, S.E.	
	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours	Station.	No. of Hours
January ..	Valencia ..	3	Scilly ..	66	Kingstown	6	Deerness	5	—	—	—	—	Gorleston ..	8	Dover	2
	Roche's Point	2	Pendennis	35	Holyhead	9							Shoeburyness	1		
					Southport	10										
					Fleetwood	12										
February.	Valencia ..	14	Scilly ..	74	Kingstown	20	Deerness	14	Aberdeen	1	North Shields	3	Gorleston ..	8	Dover	10
	Roche's Point	29	Pendennis	84	Holyhead	21							Shoeburyness	12	Kew*	1
			Plymouth	27	Stonyhurst	1									Bright'n	1
					Southport	24										
					Fleetwood	14										
March ..	Roche's Point	7	Pendennis	14	—	—	Deerness	2	—	—	—	—	—	—	—	—
April ..	Roche's Point	2	Scilly ..	3	Kingstown	5	Deerness	17	—	—	—	—	—	—	—	—
			Pendennis	7	Fleetwood	1										
May ..	Roche's Point	2	Scilly ..	2	Fleetwood	3	—	—	—	—	—	—	—	—	Dover	3
			Pendennis	5												
June ..	—	—	Scilly ..	2	Kingstown	1	—	—	—	—	—	—	—	—	—	—
July ..	—	—	Scilly ..	2	Holyhead	3	—	—	—	—	—	—	—	—	—	—
			Pendennis	3	Southport	7										
					Fleetwood	12										
August ..	—	—	Scilly ..	6	Kingstown	10	—	—	—	—	—	—	—	—	—	—
			Pendennis	5	Holyhead	13										
					Llaneugrad	16										
					Southport	19										
					Fleetwood	10										
September.	—	—	—	—	Fleetwood	1	—	—	—	—	—	—	—	—	—	—
October ..	Roche's Point	6	Scilly ..	8	Kingstown	7	—	—	—	—	—	—	Gorleston ..	1	Dover	1
			Pendennis	38	Holyhead	26							Yarmouth ..	12		
					Llaneugrad	9							Shoeburyness	13		
					Southport	10										
					Fleetwood	10										
November.	Valencia ..	4	Scilly ..	59	Kingstown	3	Deerness	20	—	—	—	—	Shoeburyness	10	Dover	4
	Roche's Point	8	Pendennis	30	Holyhead	24										
			Plymouth	1	Llaneugrad	10										
					Southport	8										
					Fleetwood	22										
December.	Roche's Point	18	Scilly ..	21	Kingstown	8	Deerness	5	—	—	—	—	Yarmouth ..	7	Dover	11
			Pendennis	99	Holyhead	5									Bright'n	2
			Falmouth	3	Llaneugrad	16										
			Plymouth	32												

* Pressure Tube Record, estimated to give an average of 39 miles for the hour 14h. 30m. to 15h. 30m., 20 February. The record on the Standard Robinson Cup Anemometer used for Table IV. for the same hour was 37 miles.
A mean velocity of 39 miles per hour was not reached at:—Armagh, Dublin, Glasgow, Alnwick Castle, or Pyrton Hill (Oxon).
North Shields.—Instrument dismounted for repair, 2 September.
Roche's Point.—Instrument out of action, 5 July—13 August.
Llaneugrad.—Record began 21 March.
Gorleston.—Instrument out of action, 12—20 May.

(19349—24.) Wt. 97—423. 450. 3/11. D & S.

TABLE II.—OCCASIONS OF "STRONG GALE"—Winds of Mean Velocity, 47 or more miles in an hour, Force 9 and upwards.

Date. 1910.	Station.	Duration.	Direction.	Maximum Velocity	
				for an hour.*	in a gust.
January 11	Scilly	7h. to 9h.	W.	47	72
" 12	Scilly	5h. to 18h.	N.W.	53	68
" 18	Scilly	9h. to 19h.	W.	53	66
" 24	Pendennis	11h. 15m. to 18h. 45m.	W.S.W.	52	71
February 14	Scilly	1h. to 17h.	W. to W.N.W.	57	80
" 17	Pendennis	18h. to 23h.	S.S.W.	56	71
" 17	Plymouth	21h. 15m. to 23h. 5m.	—	48	63
" 17	Kingstown	9h. to 13h.	S.W.	55	—
" 17	Pendennis	3h. to 10h.	S.S.W.	52	67
" 17-18	Southport	12h. 45m. to 15h.	S.W.	55	76
" 18-19	Pendennis	23h. 17th to 5h. 18th	S.S.W.	49	68
" 19	Scilly	22h. 18th to 1h. 19th	S.E.	53	62
" 19	Pendennis	23h. 30m. 18th to 16h. 19th	S.	60	87
" 19	Scilly	At 9h. and 18h. to 19h.	S. to W.	51	72
" 20	Plymouth	0h. 45m. to 17h.	—	49	70
" 20	Valencia	19h. to 21h.	W.S.W.	53	—
" 20	Plymouth	9h. 15m. to 13h. 30m.	—	56	73
" 20	Shoeburyness	16h. to 18h.	—	53	70
" 20-21	Scilly	18h. 20th to 1h. 21st	W.	53	86
" 21	Pendennis	8h. 20th to 1h. 21st	S. to W.S.W.	61	82
" 21	Kingstown	1h. to 3h.	S.W.	59	—
" 25	Southport	2h. to 8h. 30m.	S.W.	63	85
August 1-2	Scilly	7h. to 9h.	W.	48	62
" 26-27	Scilly	23h. 1st to 3h. 2nd	W.N.W.	56	60
" 27	Southport	20h. 28th to 5h. 27th	W.S.W.	51	65
October 2	Fleetwood	3h. to 5h.	W.	49	—
" 3	Scilly	15h. to 18h.	W.N.W.	59	70
" 3	Pendennis	8h. to 18h.	W.	47	67
" 13	Fleetwood	1h. to 6h.	N.W.	48	—
" 13	Holyhead	At 12h.	E.	48	61
" 14	Pendennis	5h. to 9h.	N.E.	57	72
" 27	Pendennis	9h. to 13h.	E.	51	65
" 31-Nov. 1	Fleetwood	23h. 31st to 1h. Nov. 1st	W.N.W.	48	—
November 1	Scilly	At 23h.	N.W.	47	74
" 2	Scilly	7h. 30m. to 24h.	W. to N.W.	50	74
" 3	Holyhead	At 6h.	W.N.W.	48	—
" 3	Scilly	12h. 15m. to 16h. 50m.	W. to W.N.W.	50	63
" 7	Pendennis	At 14h.	W.	48	68
" 7	Deerness	5h. to 11h.	N.E.	56	—
" 7	Scilly	6h. 30m. to 8h. 45m.	W.	50	68
December 5	Pendennis	2h. to 3h.	S.	49	63
" 7	Pendennis	17h. to 23h.	S.E. to S.	55	67
" 8	Kingstown	At 1h.	E.	47	—
" 9	Pendennis	22h. to 24h.	E.S.E. to S.	56	70
" 13	Pendennis	2h. to 4h. and at 14h.	S.	52	75
" 16	Plymouth	4h. to 5h.	—	54	67
" 16	Scilly	13h. to 18h.	W.S.W.	51	74
" 16	Pendennis	5h. to 20h.	S.S.W. to W.S.W.	63	85
" 16	Shoeburyness	At 20h.	—	47	68

Roche's Point—records during June, July, August, and December frequently unsatisfactory.
* The values tabulated are from half-an-hour before to half-an-hour after the completed hours.

Llaneugrad—record began 21 March, 1910.

TABLE III.—SQUALLS WITH GUSTS OF STORM FORCE (velocity above 55 miles per hour, force 10). The entries are additional to those in Table II.

Date. 1910.	Station.	No. of Gusts.	Time of occurrence.	Direction.	Maximum Velocity.	Date. 1910.	Station.	No. of Gusts.	Time of occurrence.	Direction.	Maximum Velocity.
January 9	Aberdeen	1	At 12h. 45m.	S.W.	57	February 14	Roche's Point	14	14h. 45m. and 17h. 15m.	—	61
" 11	Plymouth	1	At 7h. 45m.	—	57	" 14	Scilly	1	At 18h. 5m.	S.	58
" 11	Southport	2	12h. 35m. and 13h. 5m.	W.	59	" 14	Holyhead	3	19h. 40m. and 19h. 50m.	S.S.E.	56
" 12	Dover	18	20h. 50m. and 21h. 40m.	—	72	" 15	Roche's Point	1	At 11h. 50m.	—	60
" 12	Brighton	3	16h. 20m. and 16h. 45m.	—	57	" 15	Scilly	1	At 14h. 5m.	W.	58
" 12	Roche's Point	5	10h. 50m. and 11h. 25m.	—	65	" 15	Gorleston	3	4h. 15m. and 4h. 50m.	S.	59
" 12	Scilly	9	1h. 50m. and 3h. 55m.	W.	67	" 16	Dover	6	3h. 30m. and 5h. 3h. 40m. and 3h. 55m.	—	64
" 16	Roche's Point	1	At 13h. 20m.	—	58	" 17	Brighton	3	3h. 40m. and 3h. 55m.	—	58
" 16	Holyhead	3	15h. 45m. and 15h. 50m.	W.S.W.	63	" 17	Roche's Point	13	3h. 45m. and 20h. 45m.	—	63
" 17	Southport	1	At 17h.	W.S.W.	65	" 17	Scilly	5	7h. and 7h. 10m.	S.W.	62
" 17	Scilly	1	At 12h. 10m.	W.	58	" 17	Holyhead	23	8h. 40m. and 15h. 15m.	S.S.W.	68
" 18	Holyhead	1	At 5h. 20m.	W.S.W.	59	" 18-19	Alnwick	25	15h. and 17h. 20m.	S.W.	64
" 24	Plymouth	1	At 4h. 50m.	—	56	" 18-19	Roche's Point	6	0h. 35m. 18th, and 0h. 50m. 19th.	—	59
" 28	Plymouth	1	At 2h.	—	60	" 18-19	Holyhead	9	0h. 10m. 18th, and 14h. 15m. 19th.	S. to W.S.W. and S.E.	63
" 28	Dover	1	At 20h. 25m.	—	60	" 20-21	Southport	6	7h. 50m. 18th, and 16h. 30m. 19th.	S.W. and S.E.	59
" 28	Brighton	5	7h. 50m. and 8h. 30m.	—	60	" 20-21	Roche's Point	38	8h. 55m. and 23h. 15m. 20th.	—	68
" 29	Alnwick	2	4h. 20m. and 8h. 40m.	N.N.W.	57						
February 7-8	Scilly	13	21h. 30m. 7th, and 7h. 20m. 8th.	W. to N.W.	63						
" 8	Roche's Point	1	At 7h. 10m.	—	56						
" 13	Roche's Point	1	At 17h. 20m.	—	56						

TABLE III.—SQUALLS WITH GUSTS OF STORM FORCE—*continued*.

Date. 1910.	Station.	No. of Gusts.	Time of occurrence.	Direction.	Maximum Velocity.	Date. 1910.	Station.	No. of Gusts.	Time of occurrence.	Direction.	Maximum Velocity.
February 20-21	Plymouth ..	15	18h. 15m. 20th. and 0h. 45m. 21st.	—	67	October 20	Scilly ..	3	3h. 5m. and 5h. 45m.	N.W.	57
	Holyhead ..	51	10h. 10m. 20th. and 6h. 45m. 21st.	S.S.E. to S.W.	65	" 31	Roche's Point	13	10h. 40m. and 19h. 40m.	—	68
	Southport ..	35	12h. 40m. 20th. and 11h. 25m. 21st.	S.E. to S.W.	70		Pendennis ..	1	At 23h. 55m. ..	W.S.W.	56
	Aberdeen ..	8	17h. 5m. and 17h. 50m. 20th.	S.S.E.	66		Llaneugrad	13	20h. 35m. and 24h.	—	62
	Alnwick ..	1	At 18h. 5m. 20th.	S.	56		Southport ..	16	21h. 40m. and 23h. 55m.	E.	59
	Kew ..	18	14h. 15m. 20th. and 0h. 50m. 21st.	S. to S.W.	64	November 1	Pendennis ..	42	1h. 20m. and 23h. 55m.	W.N.W.	68
	Gorleston ..	26	18h. 20m. and 18h. 40m. 20th.	S.	62		Llaneugrad	6	0h. 5m. and 17h. 25m.	—	62
	Shoebury- ness.	1	At 2h. 50m. 20th.	—	57		Southport ..	3	0h. 5m. and 19h. 35m.	W.N.W.	60
	Dover ..	35	15h. 45m. 20th. and 0h. 45m. 21st.	—	69	" 2	Dover ..	4	0h. 5m. and 6h. 5m.	—	59
	Brighton ..	52	13h. 20m. 20th. and 3h. 45m. 21st.	—	68		Roche's Point	2	8h. 45m. and 9h. 30m.	—	58
" 22	Roche's Point	9	9h. and 10h. 5m.	—	73		Llaneugrad	17	3h. 20m. and 8h. 10m.	—	65
" 24	Southport ..	2	19h. 55m. and 20h. 10m.	S.W.	57	" 6	Holyhead ..	9	15h. 10m. and 15h. 50m.	W.S.W.	62
	Pendennis ..	3	6h. 15m. and 6h. 10m.	W.S.W.	66		Llaneugrad	4	15h. 30m. and 15h. 55m.	—	57
	Southport ..	13	11h. 15m. and 16h. 35m.	W.	64	" 7	Southport ..	1	At 17h. 40m. ..	W.	56
" 25	Dover ..	1	At 10h. 25m. ..	—	56		Roche's Point	3	9h. and 9h. 5m. ..	—	62
	Pendennis ..	4	7h. 55m. and 9h. 10m.	S.W.	60		Pendennis ..	9	7h. 5m. and 13h. 20m.	W.	67
March 1	Roche's Point	1	At 21h. 55m. ..	—	56		Plymouth ..	1	At 7h. 55m. ..	—	61
" 9	Pendennis ..	1	At 13h. 20m. ..	S.	56		Holyhead ..	13	8h. 35m. and 15h. 45m.	W.	60
" 17	Plymouth ..	1	At 14h. 35m. ..	—	63	" 9	Llaneugrad	1	At 15h. 45m. ..	—	57
	Southport ..	1	At 8h. 20m. ..	N.W.	57		Brighton ..	3	9h. 55m. to 11h. ..	—	57
April 19	Aberdeen ..	1	At 12h. 55m. ..	W.N.W.	58	" 14	Aberdeen ..	2	9h. 25m. and 9h. 30m.	W.	62
" 24	Roche's Point	6	10h. 45m. and 16h. 10m.	—	65	" 15	Roche's Point	10	16h. 35m. and 16h. 55m.	—	61
	Pendennis ..	1	At 14h. 10m. ..	W.S.W.	60	" 18	Scilly ..	14	18h. 45m. and 22h. 45m.	W. to N.W.	61
May 6	Roche's Point*	2	13h. 50m. and 16h. 45m.	—	60	" 15	Pendennis ..	1	At 13h. 15m. ..	W.S.W.	56
" 8	Roche's Point	5	12h. and 17h. 50m.	—	62	" 18	Scilly ..	6	7h. 5m. and 8h. 55m.	N.W.	57
" 11	Dover ..	1	At 22h. 55m. ..	—	58	" 18	Dover ..	7	17h. 50m. and 21h. 15m.	—	59
" 12	Pendennis ..	5	5h. 55m. and 8h. 25m.	N.N.W.	60	December 5	Plymouth ..	2	3h. 5m. and 3h. 40m.	—	62
August 20	Llaneugrad †	1	At 23h. 25m. ..	—	56		Llaneugrad	4	11h. 5m. and 11h. 45m.	—	67
" 21	Llaneugrad	4	0h. 20m. and 2h. 5m.	—	58	" 7	Roche's Point	20	20h. 40m. and 22h. 50m.	—	64
" 26	Llaneugrad	42	13h. 5m. and 22h. 5m.	—	65		Scilly ..	11	17h. 55m. and 19h. 50m.	E.S.E.	63
" 26-27	Holyhead ..	40	15h. 30m. 26th. and 3h. 27th.	S.W. to W.	66		Plymouth ..	3	19h. 25m. and 20h. 45m.	—	60
" 28	Brighton ..	3	21h. 15m. and 21h. 20m.	—	61	" 8	Llaneugrad	10	23h. 5m. and 23h. 50m.	—	60
October 2	Roche's Point	3	14h. 45m. and 15h. 25m.	—	61	" 9	Roche's Point	3	5h. 5m. and 6h. 55m.	—	59
	Shoebury- ness.	1	At 23h. 45m. ..	—	56	" 9	Scilly ..	1	At 4h. 10m. ..	S.S.E.	57
	Dover ..	1	At 23h. 10m. ..	—	56	" 9	Scilly ..	1	At 21h. 20m. ..	S.S.E.	57
" 3	Brighton ..	1	At 20h. 10m. ..	—	56	" 9	Pendennis ..	2	3h. 10m. and 3h. 25m.	S.	63
" 12	Southport ..	1	0h. 50m. ..	N.W.	58		Plymouth ..	20	22h. 10m. and 23h. 30m.	—	60
" 13	Brighton ..	1	At 1h. 5m. ..	—	56	" 12	Llaneugrad	6	12h. 15m. and 13h. 20m.	—	60
" 13	Holyhead ..	3	22h. and 23h. 5m.	N.W.	56	" 13	Pendennis ..	3	7h. 30m. and 8h.	S.S.E.	57
" 13	Holyhead ..	2	17h. and 17h. 50m.	N.	60	" 13	Roche's Point	1	At 10h. 35m. ..	—	56
" 13-14	Dover ..	4	20h. and 21h. ..	—	57	" 13	Scilly ..	10	1h. 10m. and 2h. 45m.	S.	73
" 13-14	Shoebury- ness.	8	22h. 10m. 13th. and 1h. 50m. 14th.	—	58	" 14	Pendennis ..	1	At 11h. 30m. ..	S.S.W.	66
" 14	Pendennis ..	2	16h. 10m. and 16h. 15m.	E.N.E.	57	" 14	Plymouth ..	4	7h. 45m. and 14h. 40m.	—	76
	Plymouth ..	1	At 4h. 35m. ..	—	56	" 16	Llaneugrad	10	15h. 5m. and 22h.	—	60
	Llaneugrad	23	1h. 25m. and 4h. 45m.	—	61	" 16	Pendennis ..	1	At 18h. 35m. ..	S.S.W.	59
						" 16	Plymouth ..	65	8h. 10m. and 18h. 20m.	—	68
						" 16-17	Kew ..	1	At 19h. 20m. ..	S.W.	56
						" 24	Brighton ..	35	11h. 45m. and 23h. 10m.	—	63
						" 24	Dover ..	33	13h. 10m. 16th. and 0h. 5m. 17th.	—	67
						" 24	Aberdeen ..	1	At 13h. 30m. ..	W.	57

* Records during June, July, August, and December frequently unsatisfactory.

† Record began 21st March, 1910.

TABLE IV.

RECORD OF WIND VELOCITY AT ANEMOGRAPH STATIONS IN 1910.

NUMBER OF HOURS during which the MEAN Hourly Velocity came within the limits assigned for the several numbers of the Beaufort scale, with percentage values for each number of the scale.

* * The numbers of the Beaufort Scale are grouped as follows:—

0 calm, 1-3 light winds, 4-7 moderate winds, 8-12 gales and storms.

WESTERN AND SOUTHERN COASTS AND IRISH SEA.

Force by Beaufort Scale.	Corresponding Mean Hourly Velocity.			* Valen- cia.		† Roche's Point.		† Scilly.		* Fal- mouth.		† Pen- dennis.		† Ply- mouth.		† Brigh- ton.		* Glas- gow.		* Fleet- wood.		† South- port.		* Holy- head.		* Kings- town.		† Dublin.	
	In Statute Miles per Hour.	In Feet per Second.	In Metres per Second.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.
0	less than 1.	less than 2.	less than 0.5.	62	1	198	2	19	0	2	0	112	1	185	2	27	0	22	0	4	0	7	0	3	0	49	1	578	7
1	1-3	2-5	0.5-1.5	975	10	491	6	245	3	1,232	14	418	5	1,187	14	566	6	1,060	19	501	5	347	4	525	6	742	8	1,720	20
2	4-7	6-11	2-3	1,814	21	1,019	12	1,172	13	2,748	31	832	10	1,890	21	1,466	17	3,186	36	1,658	19	1,267	14	1,326	15	1,504	17	3,363	38
3	8-12	12-18	3.5-5.5	2,217	26	1,607	18	1,340	15	2,640	31	1,656	19	2,179	25	2,504	29	2,769	32	2,213	25	2,226	25	2,106	24	1,746	20	1,953	22
4	13-18	19-27	6-8	2,017	23	1,764	20	1,440	17	1,508	17	2,134	24	1,822	21	2,462	28	948	11	1,904	21	2,166	25	2,077	24	2,035	23	752	9
5	19-24	28-36	8.5-10.5	1,138	13	967	11	1,352	15	471	6	1,607	18	784	9	1,012	11	156	2	1,286	15	1,457	17	1,418	16	1,429	16	171	2
6	25-31	37-46	11-14	416	5	598	7	822	9	118	1	1,169	13	361	4	251	3	17	-	671	8	855	10	933	11	848	10	42	4
7	32-38	47-56	14.5-17	100	1	236	3	320	4	16	-	488	6	114	1	53	1	-	-	313	4	340	4	317	4	336	4	-	-
8	39-46	57-68	17.5-20.5	18	-	72	1	131	2	3	-	227	3	51	1	3	-	-	-	77	1	60	1	54	-	51	1	-	-
9	47-54	69-80	21-24	3	-	1	-	67	1	-	-	74	1	8	-	-	-	-	-	8	-	12	-	1	-	-	-	-	-
10	55-63	81-93	24.5-28	-	-	-	-	8	-	-	-	20	-	1	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-
11	64-75	94-110	28.5-33.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	above 75	above 110	34 or above.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of hours lost from various causes				-	-	1,807	20	1,844	21	22	-	23	-	208	2	416	5	2	-	125	2	17	-	-	-	11	-	177	2

EASTERN COASTS AND INLAND STATIONS.

Force by Beaufort Scale.	Corresponding Mean Hourly Velocity.			* Deer- ness.		* Aber- deen.		† Aber- deen.		* Yar- mouth.		† Gories- ton.		† Shoe- buryness.		† Dover.		* Armagh.		† Alnwick Castle.		* Stony- hurst.		† Pyrtan Hill.		** Kew.		† War- lingham.	
	In Statute Miles per Hour.	In Feet per Second.	In Metres per Second.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.	Hours.	Per Cent.
0	less than 1.	less than 2.	less than 0.5.	27	0	3	0	283	3	21	0	106	1	9	0	459	5	222	3	1,000	11	378	5	386	5	140	2	191	2
1	1-3	2-5	0.5-1.5	519	6	1,115	13	1,137	13	553	6	529	6	277	3	862	10	3,080	35	1,799	21	2,522	29	1,078	12	1,511	17	1,713	20
2	4-7	6-11	2-3	1,551	18	3,336	38	1,955	22	2,551	29	1,431	16	883	10	1,109	13	3,347	38	2,375	27	2,640	30	2,038	23	2,965	34	2,570	29
3	8-12	12-18	3.5-5.5	1,864	21	2,550	29	2,414	28	2,955	34	2,308	26	2,908	33	1,823	21	1,332	15	2,057	23	1,949	22	2,723	31	2,465	28	2,235	26
4	13-18	19-27	6-8	1,974	23	1,396	16	1,779	20	1,467	17	2,355	27	2,539	29	2,159	24	701	8	1,095	13	941	10	1,662	19	1,284	15	940	11
5	19-24	28-36	8.5-10.5	1,474	17	295	3	853	10	511	6	1,137	13	1,290	15	1,141	13	108	1	287	3	339	3	461	6	391	3	196	2
6	25-31	37-46	11-14	917	10	53	1	260	3	188	2	503	6	622	7	595	7	12	-	47	1	50	1	136	2	67	1	34	4
7	32-38	47-56	14.5-17	354	4	7	-	35	-	114	2	135	2	148	2	161	2	-	-	7	-	15	-	10	-	7	-	-	-
8	39-46	57-68	17.5-20.5	56	1	-	-	1	-	19	-	15	-	31	-	30	-	-	-	-	-	1	-	-	-	-	-	-	-
9	47-54	69-80	21-24	6	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	55-63	81-93	24.5-28	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	64-75	94-110	28.5-33.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	above 75	above 110	34 or above.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of hours lost from various causes				17	-	-	-	43	1	381	4	241	3	68	1	421	5	8	-	93	1	25	-	206	2	-	-	879	10

* Robinson cup anemometer, Standard size (9 in. cups, 2 ft. arms).
† Do. do. Smaller size (6 in. cups, 1 ft. arms).
‡ Dines Pressure Tube.
** Robinson Cup Anemometer, Standard Size, See also Table I.

Meteorological Office,

March 27, 1911.